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No. 1.

CATALOGUE OF THE *ARCTIANAE* IN THE TRING MUSEUM, WITH NOTES AND DESCRIPTIONS OF NEW SPECIES.

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I HAVE arranged my *Arctianae* according to the *Catalogue of the Lepidoptera Phalaenae in the British Museum*, vol. iii., this being the most recent work on the family as a whole. I have, however, included the three genera *Gonotrepes*, *Antaxia*, and *Neozatrepes*, placed by Sir George Hampson among the *Syntomidae*, because I consider these genera, in spite of the absence of the costal vein of the hindwing, more nearly allied to the *Arctianae* than to the *Syntomidae*. Considering the great use and importance to lepidopterists of the British Museum Catalogue, it is to be regretted that not sufficient distinction has been emphasised between **Subspecies** and **Aberrations**. In several instances Sir George Hampson has correctly separated the subspecies, but in by far the larger number of cases he has united them indiscriminately under the term "aberration." It cannot be too often reiterated that a **Subspecies** is a local race or geographical representative of a given species, in which the variation from the "type" is more or less uniform and constant: on the other hand, an **Aberration** is a sporadic or individual variation occurring among the typical individuals, and in which, even if several specimens occur, the variation from the type is rarely if ever uniform and not persistent. A difference from the type, however small, if confined to one locality and to the bulk of or the whole of the individuals from that locality, is sufficient to separate this group of individuals as a subspecies; but, be the difference ever so great, if it is purely individual, not confined to any one locality, and occurs casually with the typical form, it can only be considered an aberration, and, in my opinion, should **not** be named. Subspecies, on the other hand, should be named trinomially, thus: *Arctia caja americana*.

I have, in the body of this catalogue, given the localities, in many cases, in an abbreviated form, in order to save time and space. I here enumerate the principal localities and dates, in full. They are arranged from north to south eastwards, returning northwards and westwards.

Gold Hill, Oregon, September 1900 (Biedermann).

Durango, Colorado, 1901 (E. J. Osler).

Glenwood Springs, Colorado, June 1901 (E. J. Osler).

Grand Junction, Colorado, July 1901 (E. J. Osler).

Fort Garland, Colorado, 1901 (E. J. Osler).

Almosa, Colorado, 1901 (E. J. Osler).

Prescott, Arizona, July 1902 (E. J. Osler).

Nogales, Arizona, April—September 1903 (E. J. Osler).

- Huachuco Mountains, Arizona, August 1901 (Brenninger), and August 1903 (E. J. Oslar).
- Cuernavaca, Mexico, September 1904 (Dr. Gadow).
- Huamantla, Vera Cruz, Mexico.
- Orizaba, Mexico, March 1896 (W. Schaus).
- Jalapa, Mexico, May—June 1897 (W. Schaus).
- Vera Cruz, Mexico.
- Guadalajara, Mexico, October 1896 (W. Schaus).
- Holguin, Cuba (H. S. Parish) and (Tollin).
- Newcastle, Jamaica, October 1893 (Taylor).
- Ciudad de Guatemala (Rodriguez).
- San Ramon, Rio Wanks, Nicaragua, 175 ft., May—June 1905 (M. G. Palmer).
- Jinotega, Nicaragua, 4100 ft., January 1906 (M. G. Palmer).
- San José, Costa Rica, May 15—June 10, 1899 (Underwood).
- Costa Rica, 1500 m. (M. de Mathan).
- Cartago, Costa Rica, June 1899 (Underwood).
- Asahar de Cartago, Costa Rica, February 1899 (Underwood).
- Escazu, Costa Rica, August—October 1903 (Underwood).
- Carablanco de Sarapiquí, Costa Rica (Underwood).
- Carreblanco, Costa Rica (Lankester).
- Bogava, Chiriquí, 800 ft. (Watson).
- Bouqueté, Chiriquí, 3500 ft. (Watson).
- Vulean de Chiriquí, 5000—9000 ft. (Watson).
- Tobago, March 1897 (Dr. Percy Rendall).
- Trinidad (F. Birch).
- Port of Spain, Trinidad, January 1897 (Dr. Percy Rendall).
- Belmont, Port of Spain, Trinidad (E. Lafond).
- Caparo, Trinidad, December 1905 (S. M. Klages).
- San Fernando, Trinidad.
- Maraval, Trinidad, July 1891.
- Tabaquite, Narieva District, Central Trinidad.
- St. Anne's, Trinidad (F. E. Tryhane).
- Onaca, Sierra Nevada de Santa Marta, 2200 ft. (wet season), September—October 1901 (Engelke).
- Cucuta, Venezuela.
- Merida, Venezuela, November 1898—March 1900 (Briceño).
- Tachira, Venezuela (Briceño).
- Valencia, Venezuela.
- Suapure, Venezuela, May 1899 (S. M. Klages).
- Palma Sola, Venezuela, 1896 (Whytman).
- Patao Guiria, Venezuela, August 1891.
- Ciudad Bolivar, Venezuela, September—December 1898 (S. M. Klages).
- Maipures, Orinoco, Venezuela, December 1898 (Cherrie).
- Guyapa, Caura River, Venezuela, November 24—December 10, 1902 (S. M. Klages).
- Maripa, Caura River, Venezuela (S. M. Klages).
- La Vuelta, Caura River, Venezuela, June 1903 (S. M. Klages).
- La Union, Caura River, Venezuela, September 1901—May 1902 (S. M. Klages).

Wakenaam Island, British Guiana.

Essequibo River, British Guiana (B. Duffus).

Tumatunari, British Guiana, December 1907 (S. M. Klages).

Rio Demerara, British Guiana.

Christianaburg, Rio Demerara, British Guiana.

Omai, British Guiana, June 1908 (S. M. Klages).

British Guiana (bought at George Town, Rev. M. Whitford). (This collection was one made up of several lots sent for sale by the miners at Omai, and caught at the electric light; it contained a remarkable number of great rarities.—W. R.)

Bartica, British Guiana, June 1901.

British Guiana (B. Duffus).

Potaro, British Guiana, May 1908 (S. M. Klages).

Aröwarwa Creek, Maröwým Valley, Surinam, Dutch Guiana, April 1905 (S. M. Klages).

St. Laurent de Maroni, French Guiana (Le Moul't père and E. Le Moul't).

Obidos, Lower Amazons, Brazil, October—November 1904 (M. de Mathan).

Itaituba, Rio Tapajós to Obidos, Amazons, Brazil, January—April 1906 (W. Hoffmanns).

On board steamer between Manicapurei and Tefé, Amazons, Brazil, April 1906 (S. M. Klages).

Tefé, Upper Amazons, Brazil, June 1906 (W. Hoffmanns).

Tefé, Upper Amazons, Brazil, September 1907 (M. de Mathan).

Santo Antonio do Javary, Upper Amazons, Brazil, June 1907 (S. M. Klages).

Fonte Boa, Upper Amazons, Brazil, May 1906 (S. M. Klages).

Codajas, Upper Amazons, Brazil, August 1907 (S. M. Klages).

Calama, below Rio Machados, Rio Madeira, Brazil, August—October 1907 (W. Hoffmanns).

Humayta, Rio Madeira, Brazil, July—September 1906 (W. Hoffmanns).

Allianca, below San Antonio, Rio Madeira, Brazil, November—December 1907 (W. Hoffmanns).

Minas Geraës, Brazil, October 1900 (Kennedy).

Rio de Janeiro, Brazil (E. May).

Corcovado, Brazil (W. Schaus).

Castro Parana, April 1898 (E. D. Jones).

Rio Grande do Sul, Brazil.

Elsenaü, Rio Grande do Sul, Brazil, February 1905 (Dr. Martin).

Sapucaý, Paraguay, November 1903—January 1905 (W. Foster).

Patino-cué, Paragnay, January—May 1904 (Montforts).

Salta, North Argentina (J. Steinbach).

Tucuman, April—May 1905 (J. Steinbach), and May 1902 (Diuelli).

Ciudad de Tucuman, March 1903 (L. Monetti).

Buenavista, East Bolivia, 750 m., August 1906—April 1907 (J. Steinbach).

Santa Cruz de la Sierra, East Bolivia, 1905—1906 (J. Steinbach).

San Ernesto, Bolivia, 1000 m., 68° W., 15° S., August—September 1900 (Simons).

Charaplaya, Bolivia, 1300 m., 65° W., 16° S., July 1901 (Simons).

Rio Solocamé, Bolivia, 1000 m., 67° W., 16° S., January 1901 (Simons).

Rio Songo to Rio Snapi, Bolivia, 1100 m., March—June 1896 (Garlepp).

Yungas de Coroico, Bolivia, 1800 m., October 1896—March 1897 (Garlepp).

- Cajan, Cuzco, Bolivia, November 1901 (Garlepp).
 Upper Rio Toro, La Merced, Bolivia, 3000 m., August 1901 (Simons).
 Chulumani, Bolivia, 2000 m. (beginning of wet season), December (Simons).
 Rio Tanampaya, Bolivia, 1894 (Garlepp).
 Chimate, Bolivia, 750 m., September 1900 (Simons).
 Cuzco, Bolivia, April 1901 (Garlepp).
 Yungas de la Paz, Bolivia, 1000 m., September 1899 (Garlepp).
 Rio Sincuri, South-East Peru, 2500 ft. (dry season), June 1901 (G. R. Oekenden).
 Carabaya (various localities, 2500—6000 ft.), June 1904 (G. R. Oekenden).
 La Oroya, Rio Inambari, Carabaya, South-East Peru, 3100 ft. (wet season), March 1905 and (dry season) September 1905 (G. R. Oekenden).
 Rio Inambari, Carabaya, South-East Peru, 6000 ft., November 1901 and 1902 (wet season) (G. R. Oekenden).
 La Union, Rio Huacamayo, Carabaya, South-East Peru (wet season), December 1904 (G. R. Oekenden).
 Rio Huacamayo, Carabaya, South-East Peru (dry season), June 1904 (G. R. Oekenden).
 Tinguri, Carabaya, South-East Peru, 3400 ft. (dry season), August 1901 (G. R. Oekenden).
 Santo Domingo, Carabaya, South-East Peru, 6000 ft. (dry season), October 1902 and July 1904 (G. R. Oekenden).
 La Union to Santo Domingo, Carabaya, South-East Peru, 2000—6500 ft., December 1904 (wet season) (G. R. Oekenden).
 Oconeque, Carabaya, South-East Peru, 7000 ft. (dry season), July 1904 (G. R. Oekenden).
 Agualani, Carabaya, South-East Peru, 9000 ft. (wet season), May 1904 (G. R. Oekenden).
 Limbani, Carabaya, South-East Peru, 9500 ft. (dry season), May 1904 (G. R. Oekenden).
 Marcapata, East Peru, 4500 ft. (G. R. Oekenden).
 Caradoc, Marcapata, East Peru, November 1901 (G. R. Oekenden).
 Chiri-Mayo, South-East Peru, 1000 m. (dry season), July 1901 (G. R. Oekenden).
 Rio Chuchurras, Rio Palcazu, Peru, 320 m. (W. Hoffmanns).
 Palcazu, Department of Junin, Peru (Sedlmayer).
 Pozuzu, Huancayo, Peru, 800—1000 m. (W. Hoffmanns).
 Huancabamba, Cerro de Pasco, Peru (E. Boettger).
 Chanchamayo, East Peru, 2100—7500 ft.
 Chanchamayo, East Peru (Schuncke).
 Pebas, Upper Amazons, Peru, November 1906 (M. de Mathan).
 Cushi, Province Huanuco, Peru, 1900 m. (W. Hoffmanns).
 Rio Mixiollo, Province Loreto, Central Peru, June — December 1900 (G. A. Baer).
 Rio Colorado, Peru, 2500 ft., August—September (Watkins).
 El Porvenir, East Peru, 900 m., April 1908.
 Oxapampa, North Peru.
 Lita, Ecuador, 3900 ft. (Flemming).
 Quito, Ecuador (W. Goodfellow).

Pambilar, Ecuador (Flemming & Miquetta).

Coronadlet, Ecuador (Flemming & Miquetta).

Quevedo, West Ecuador (von Bnchwald).

St. Javier, Rio Caehabi, West Ecuador, 60 ft. (Flemming & Miquetta).

Rio Cayapas, North-West Ecuador (Flemming & Miquetta).

Salidero, North-West Ecuador, 350 ft., February 1901 (Flemming & Miquetta).

Rio Durango, North-West Ecuador, 350 ft., February 1901 (Flemming & Miquetta).

Paramba, Ecuador, 3500 ft., January—June 1897, November—December 1898, and January—July 1899 (W. Rosenberg).

Caehabé, Low Conuntry, Ecuador, November 1896 (W. Rosenberg).

Bulim, Ecuador, 160 ft., December 1900—February 1901 (Flemming & Miquetta).

Suno, Upper Rio Napo, Ecuador, May 1899 (W. Goodfellow).

Coca, Upper Rio Napo, Ecuador, May—July 1899 (W. Goodfellow).

Rio Tiputini, Rio Napo, August 1899 (W. Goodfellow).

Rio Dagua, W. Colombia (W. Rosenberg).

Popayan, Colombia (Lehmann).

Purnio, Colombia, 28 m. (end of rainy season), October—November 1896 (Dr. Bürger).

Cananebe, Cundinamarca, Colombia, September 1903 (M. de Mathan).

Gnadalite, Cundinamarca, Colombia, July 1903 (M. de Mathan).

San Antonio, West Colombia, November 1907 (M. G. Palmer).

1. *Thyrarctia cedo-nulli* (Stoll).

5 ♂♂ Tinguri; 1 ♂ Santo Domingo; 1 ♂ Ocoeneque; 1 ♂ Rio Demerara; 1 ♂ Bartica; 1 ♂ British Guiana (Whitford); 1 ♂ Fonte Boa; 1 ♂ San Ramon.

2. *Gonotrepes friga* (Druce).

5 ♂♂, 4 ♀♀ Fonte Boa; 3 ♂♂ La Oroya; 1 ♂ Tinguri.

3. *Robinsonia marginata* Rothsch.

2 ♀♀ British Guiana (Whitford).

4. *R. prophaea* Dogn.

11 ♂♂, 1 ♀ Fonte Boa; 21 ♂♂, 2 ♀♀ La Oroya; 4 ♂♂ La Union, Carabaya; 3 ♂♂ Tinguri; 2 ♂♂ Rio Huacamayo; 1 ♂ Santo Antonio do Javary.

5. *R. suffusa* Rothsch.

2 ♂♂ Fonte Boa.

6. *R. morula* Druce.

1 ♂ Tinguri; 3 ♂♂ La Oroya; 1 ♂ La Union, Caura; 1 ♂ Santo Domingo; 1 ♂ La Union, Carabaya; 1 ♂ Potaro; 1 ♂ Fonte Boa.

7. *R. multimaculata* Rothsch.

4 ♂♂ Santo Domingo.

8. *R. flavomarginata* Druce.

1 ♀ Amazonas (Meyer coll.) ; 1 ♀ Brazil.

9. *R. sanea* Druce.

1 ♀ Lower Amazons (H. F. H. Preston).

10. *R. rockstonia* Schaus.

2 ♀♀ Fonte Boa ; 1 ♂ Potaro ; 1 ♀ Amazonas (Meyer coll.).

11. *R. lefaivrei* Schaus.

1 ♂, 2 ♀♀ Fonte Boa.

12. *R. deiopea* Druce.

1 ♂ San José.

13. *R. punctata* Rothsch.

1 ♂ Huatuxco, Vera Cruz.

15. *R. similis* Rothsch.

1 ♂ Caparo ; 1 ♂ Trinidad (F. Birch).

16. *R. dewitzi* Gundl.

6 ♂♂, 1 ♀ Merida ; 2 ♂♂, 2 ♀♀ ? (ex coll. Feld.) ; 1 ♂ Huatuxco ; 1 ♂, 1 ♀ Brazil ; 1 ♂ Costa Rica ; 1 ♀ Sapucay ; 1 ♀ Essequibo River ; 1 ♂, 2 ♀♀ Maripa, Caura River ; 1 ♂ La Union to Santo Domingo ; 3 ♂♂, 1 ♀ Caracas, Venezuela.

17. *Neidalia dognini* Rothsch.

2 ♂♂ Sauto Domingo.

18. *N. ockendeni* spec. nov.

♂. Similar to *dognini* but paler and with a third median transverse line from costa across end of cell.

Hab. 1 ♂ Tinguri, Carabaya ; and 1 ♂ La Oroya, Carabaya (G. R. Oekenden).

19. *Idalus citraria* Dogn.

9 ♂♂ Santo Domingo ; 2 ♂♂ La Oroya ; 2 ♂♂, 1 ♀ Merida.

20. *Idalus doncasteri* spec. nov.

♂. Nearest allied to *F. citraria* Schaus, but at first sight appears very close to *Prumala suanus* Druce.

Differs from *citraria* by having the subbasal manve patch above vein 1 much larger and paler, and **not** joined by a band to the band from below termen. This band, instead of ending at vein 1 two-thirds of the distance outwards between base and tornus, is broken up into a line of spots and ends in a large patch just above tornus, a submarginal row of spots outside this line from termen to tornus,

♀. Differs in being darker yellow; and instead of only having a small dark dot before tornus on vein 1, a dot in cell, and one between veins 4 and 5 and 5 and 6, has a dark patch before the tornus and a postmedian and subterminal row of spots from tornus to termen.

Hab. Caracas, Venezuela.

2 ♂♂, 5 ♀♀.

21. *I. rosea* Schaus.

1 ♂, 1 ♀ Colombia (W. E. Pratt); 1 ♂? (Felder coll.); 3 ♀♀ Costa Rica; 1 ♀ Tuis, Costa Rica.

22. *I. lineatus* Druce.

1 ♀ Snapure.

23. *I. hippia* Stoll.

9 ♂♂ Aroewarwa Creek; 2 ♂♂ Fonte Boa; 1 ♂ Tumatumari; 7 ♂♂ Potaro; 1 ♂ La Union, Carabaya; 2 ♂♂ Carablanco de Sarapiquí; 2 ♂♂ Amazonas (Felder coll.).

24. *I. admirabilis* Stoll.

1 ♂ San Ernesto; 1 ♂ Rio Janeiro; 11 ♂♂, 2 ♀♀ Fonte Boa; 2 ♂♂ Caparo; 1 ♀ San Fernando, Trinidad; 1 ♂ Buenavista; 1 ♂ La Union to Santo Domingo; 1 ♂, 1 ♀ Amazonas (Meyer coll.); 1 ♀ Potaro; 1 ♀ Sta. Catherina; 20 ♂♂, 2 ♀♀ St. Laurent de Maroni; 1 ♀? (Lindig) (Felder coll.).

25. *I. albaecoxae* Schaus.

1 ♀ La Oroya.

26. *I. pichesensis* Dyar.

1 ♂ Elsenau, Rio Grande do Sul, February 1905 (Dr. Martin); 1 ♂ Castro, Parana; 1 ♂?; 1 ♂ Sta. Catharina; 1 ♂ Minas Geraës; 1 ♂ Preto, Minas Geraës.

27. *I. daga daga* Dogn.

1 ♂ San Ernesto; 1 ♂ Rio Chuehurras; 1 ♀ Santo Antonio do Javary; 1 ♀ Buenavista; 1 ♂ Caracas, Venezuela.

27A. *I. daga dares* Druce.

1 ♂ 1 ♀ Lita; 1 ♀ Pambilar.

28. *I. pandama* Druce.

2 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ Poznzu.

29. *I. manora* Druce.

6 ♂♂ La Oroya; 1 ♂ Fonte Boa.

30. *I. nega* Schaus.

4 ♂♂ Fonte Boa; 2 ♂♂ Aroewarwa Creek.

31. *I. rubens* Schaus.

2 ♀♀ Aroewarwa Creek ; 2 ♂♂ Fonte Boa ; 2 ♂♂ Amazonas (Meyer coll.).

32. *I. irregularis* Rothsch.

2 ♂♂ Fonte Boa.

33. *I. xanthia* Hmps.

1 ♂ Jalapa ; 1 ♀ Tuis.

34. *I. flavibrunnea* Dogn.

19 ♂♂, 6 ♀♀ La Oroya ; 1 ♂ Tinguri ; 5 ♂♂ Santo Domingo.

35. *I. venata* Dogn.

1 ♂ Pozuzu ; 1 ♂ 1 ♀, Santo Domingo ; 9 ♂♂, 3 ♀♀ La Oroya ; 2 ♂♂ La Union, Carabaya ; 3 ♂♂ Tinguri ; 1 ♀ Colombia (W. E. Pratt) ; 2 ♀♀ Carreblanco.

36. *I. melanopasta* Dogn.

2 ♂♂, 1 ♀ La Union, Carabaya ; 1 ♂ Humayta ; 1 ♀ Manaus to Rio Yutahi (Maxwell Stuart) ; 2 ♂♂, 3 ♀♀ Fonte Boa.

37. *I. simplex* Rothsch.

5 ♂♂, 1 ♀ Aroewarwa Creek ; 1 ♂ Potaro.

38. *I. lutescens* Rothsch.

1 ♂ Oconeque.

39. *I. salmonaceus* Rothsch.

1 ♂, 1 ♀ Santo Domingo ; 4 ♂♂ Tinguri ; 1 ♂ Rio Huacamayo.

40. *Aphyle margaritacea* Walk.

7 ♂♂, 12 ♀♀ Aroewarwa Creek.

41. *A. affinis* Rothsch.

1 ♂ Rio Huacamayo ; 13 ♂♂, 1 ♀ Fonte Boa ; 2 ♂♂, 2 ♀♀ La Union, Carabaya ; 1 ♀ Tefé (Mathan).

42. *A. albipicta* Dogn.

1 ♂ Fonte Boa.

43. *A. cuneata* Hmps.

1 ♂ Fonte Boa ; 1 ♀ Potaro.

44. *A. incarnata* Hmps.

11 ♂♂, 1 ♀ Fonte Boa ; 3 ♂♂, 1 ♀ Aroewarwa Creek ; 4 ♂♂ La Union, Carabaya ; 1 ♀ Tefé (Mathan) ; 1 ♀ Allianca ; 1 ♀ San Antonio do Javary.

45. *Prumala aryllis* Schaus.

1 ♀ Merida.

46. *Pr. palmeri* spec. nov.

♂. Similar to *P. lophocampoides* Feld., but the whole basal two-fifths of forewing obliquely is purple grey-black with exception of costa and subcosta, and the transverse band from before termen which in *lophocampoides* joins the basal dark area above vein 1 is absent, being replaced by a large subterminal patch reaching from costa to vein 5.

Hab. San Antonio, West Colombia (G. M. Palmer).

3 ♂♂.

47. *Pr. lophocampoides* Feld.

1 ♀ (Type) Brazil (Felder coll.); 1 ♂ Rio de Janeiro; 1 ♂ Minas Geraës; 1 ♀ Castro Parana.

47a. *Pr. lophocampoides fulminans* subsp. nov.

♂. Differs from *loph. lophocampoides* in being of a much brighter yellow colour, and in having all the markings darker, broader and more distinct, and the red markings on the wings deep bright scarlet. Also the patagia, instead of being yellow, edged on the inside with red, have only their bases yellow, the rest greyish purple, edged outside with scarlet. Abdomen above entirely crimson.

♀. Has all markings darker, brighter, wider, and more distinct.

28 ♂♂ Santo Domingo, Carabaya; 13 ♂♂, 1 ♀, Agualani; 1 ♂ Rio Inambari; 7 ♂♂ Limbani; 1 ♂ La Oroya; 3 ♂♂, 3 ♀♀ Oconeque; 1 ♂ Merida; 3 ♂♂ Caracas, Venezuela.

47b. *Pr. lophocampoides ipsea* (Druce).

This has been placed by Sir George Hampson as a synonym of *Pr. lophocampoides*, but it is a distinct subspecies and must stand as above. It is intermediate between *loph. lophocampoides* and *loph. intensa*.

48. *Pr. maculicincta* Hmps. n.

2 ♀♀ Merida.

49. *Pr. indistincta* Rothsch.

1 ♀ Sapucay; 1 ♀ Chiriqui.

50. *Pr. jamaicensis* Schaus.

1 ♀ Pratlville, September 1893.

51. *Pr. suanus* Druce.

5 ♂♂, 1 ♀ Oconeque; 7 ♂♂, 8 ♀♀ Santo Domingo; 1 ♂ La Oroya; 1 ♀ Tinguri; 1 ♀ Merida.

52. *Pr. ameoides* (Butl.).

12 ♂♂, 1 ♀ Santo Domingo; 1 ♂ Oconeque; 3 ♂♂ Merida; 1 ♂, 1 ♀ La Oroya; 1 ♀ Huancabamba; 1 ♀ Popayan (Lehmann).

53. *Pr. saturata* (Walk.).

13 ♂♂ Potaro; 1 ♂ Allianca; 1 ♂ Berbice, British Guiana; 1 ♂ Fonte Boa; 1 ♂ Pebas, Amazonas, November 1906 (M. de Mathan); 1 ♀ British Guiana; 1 ♂ Amazonas (Felder coll., type of *Eueyrtia practexta* Feld.).

54. *Pr. sordida* Rothsch.

1 ♂ La Union, Carabaya; 1 ♂?; 1 ♂ Amazonas (Meyer coll.); 1 ♀ Sapncay; 2 ♀♀ Amazon River (Felder coll.).

55. *Pr. flavicollis* Rothsch.

1 ♂ Fonte Boa.

56. *Pr. incisa* Rothsch.

1 ♀ Fonte Boa.

57. *Pr. prostrata* Dogn.

1 ♂ Fonte Boa; 1 ♀ British Guiana; 1 ♀ Amazonas (Felder coll.).

58. *Pr. albicollis* (Feld.).

1 ♀ Amazon (Bates), Type (Felder coll.); 4 ♂♂, 2 ♀♀ Aroewarwa Creek; 1 ♂ La Union, Carabaya; 2 ♀♀ Fonte Boa.

59. *Pr. submarginalis* Rothsch.

1 ♂ Minas Geraës; 1 ♂ Potaro; 1 ♂ Caracas, Venezuela.

60. *Pr. intensa* Rothsch.

1 ♂, 1 ♀ Fonte Boa; 1 ♂ San Antonio do Javary.

61. *Pr. fogra* Schaus.

2 ♂♂ Caracas, Venezuela.

62. *Pr. affinis* Rothsch.

1 ♂ Santo Domingo; 6 ♂♂ Fonte Boa; 1 ♂ Caradoc; 1 ♂ La Union, Carabaya; 1 ♂ British Guiana (Whitford); 1 ♂ La Oroya; 1 ♂ Potaro.

63. *Pr. ockendeni* Rothsch.

7 ♂♂, 4 ♀♀ La Oroya; 2 ♂♂ La Union, Carabaya; 1 ♂, 1 ♀ Tingri; 2 ♂♂, 1 ♀ Santo Domingo.

64. *Pr. similis* Rothsch.

3 ♂♂ Fonte Boa; 1 ♂ Codajas.

65. *Pr. optimus* Butl.

Sir George Hampson in vol. iii. of the Catalogue wrongly identified this species with *Noctua ilus* Cram., but has now recognised this error, having received the true *ilus* Cram., which is an *Automolis*.

10 ♂♂, 1 ♀ Potaro; 3 ♂♂, 1 ♀ Fonte Boa; 2 ♂♂ Rio Demerara, British Guiana; 2 ♀♀ British Guiana.

66. *Pr. hieroglyphica* Schaus.

4 ♂♂ Fonte Boa; 2 ♂♂, 1 ♀ Potaro.

67. *Antaxia abdominalis* Herr.-Schaeff.

1 ♂ Santa Catharina; 1 ♂ Brazil; 3 ♂♂ São Paulo.

68. *A. creon* Druce.

2 ♂♂ Huatuxco; 1 ♀ Vera Cruz, Mexico.

69. *A. pyrgeon* Druce.

1 ♂ Boquete, Chiriqui, 3500 ft. (Watson).

70. *A. meridionalis* Schaus.

28 ♂♂, 8 ♀♀ Santo Domingo; 1 ♂ Agualani; 1 ♂ Chiri-Mayo; 6 ♂♂, 1 ♀ Oconeque.

71. *A. syrissa* Druce.

3 ♂♂ Rio Huacamayo.

72. *A. affinis* Rothsch.

1 ♂ La Union, Carabaya.

73. *Premolis schausi* Rothsch.

1 ♂ Fonte Boa; 1 ♀ Calama.

74. *Pr. semirufa* Walk.

2 ♂♂, 1 ♀ Fonte Boa; 6 ♂♂, 1 ♀ La Union, Carabaya; 1 ♂ Codajas; 2 ♂♂ Rio Huacamayo; 1 ♂ La Oroya; 1 ♂ Santo Domingo; 1 ♀ Teffé (Mathan).

75. *Pr. rhyssa* Druce.

15 ♂♂ La Oroya; 1 ♂ Santo Domingo; 2 ♂♂ Rio Huacamayo.

76. *Eupsodosoma bifasciata* Cram.

1 ♂ Rio Huacamayo; 2 ♂♂, 1 ♀ Fonte Boa; 1 ♂ Rio Demerara; 2 ♀♀ Christianaburg; 1 ♂ Potaro River, British Guiana.

77. *E. marpessa* Drnce.

2 ♂♂ Potaro; 1 ♂ Tumatumari; 26 ♂♂ Fonte Boa; 4 ♂♂ La Union, Carabaya; 1 ♂ Aroewarwa Creek; 1 ♂ Teffé (Mathan); 1 ♂, 1 ♀ La Union to Santo Domingo.

78. *E. agramma* Hmps.

1 ♂ Sapucay; 1 ♀ Cnenta, Venezuela.

79. *E. involuta floridum* Grote.

Floridum is not an aberration, but a good subspecies, and must stand as above.

1 ♂ Orizaba.

79A. *E. involuta involuta* Sepp.

10 ♂♂ Fonte Boa; 5 ♂♂ Buenavista; 2 ♂♂ Minas Geraës; 1 ♂ Rio de Janeiro; 1 ♂ Aroewarwa Creek; 1 ♂, 1 ♀ Paraguay (Dr. Bohls); 1 ♂ Trinidad; 1 ♂ Maraval, September 1891; 12 ♂♂, 11 ♀♀ St. Laurent de Maroni; 1 ♂ Caracas, Venezuela.

80. *E. aberrans* Schaus.

This is a very distinct species.

9 ♂♂ Potaro; 2 ♂♂ Caparo; 1 ♀ Sapucay; 1 ♀ Potaro River, British Guiana; 1 ♂ Caracas, Venezuela.

81. *E. grandis* Rothsch.

1 ♂ Santo Domingo; 1 ♀ Rio Huacamayo; 1 ♀ Tuis, Costa Rica; 1 ♀ Caradoc.

82. *E. albescens* Rothsch.

2 ♀♀ Aroewarwa Creek; 1 ♀ British Guiana.

83. *Zatrephes nitida* Stoll.

5 ♂♂, 2 ♀♀ Fonte Boa; 2 ♂♂ La Union, Carabaya; 3 ♂♂ Aroewarwa Creek.

84. *Z. rosacea* Rothsch.

12 ♂♂, 1 ♀ Fonte Boa; 2 ♀♀ Teffé (Mathan).

85. *Z. dithyris* Hmps.

2 ♂♂, 1 ♀ Aroewarwa Creek.

86. *Z. brunnea* Rothsch.

3 ♂♂, 1 ♀ La Union, Carabaya.

87. *Z. rufescens* Rothsch.

3 ♂♂, 8 ♀♀ Fonte Boa; 1 ♀ Santo Antonio do Javary; 1 ♀ Aroewarwa Creek.

88. *Z. klagesi* Rothsch.

38 ♂♂ Fonte Boa.

89. *Z. variegata* Rothsch.

12 ♂♂ Fonte Boa.

90. *Z. ossea* Schaus.

2 ♂♂ Fonte Boa.

91. *Z. foliacea* Rothsch.

14 ♂♂, 5 ♀♀ Fonte Boa ; 1 ♂ Calama.

92. *Z. gigantea* Rothsch.

2 ♀♀ Fonte Boa.

93. *Z. trilineata trilineata* Hmps.

7 ♂♂ Fonte Boa ; 1 ♂ Aroewarwa Creek ; 1 ♀ Surinam (Felder coll.) ; 1 ♂ St. Laurent de Maroni.

93A. *Z. trilineata peruviana* subsp. nov.

Differs from *trilineata trilineata* by having the wings and body powdered with brownish crimson, not yellow scales, which gives the insect a more mauve tone, also the postmedian line is nearer the antemedian towards costa.

3 ♂♂ La Union, Carabaya ; 1 ♂ La Union to Santo Domingo.

94. *Z. flavida* Hmps.

3 ♂♂ Potaro ; 12 ♂♂ Fonte Boa ; 1 ♂ Bartica, Brit. Guiana, June 1901.

95. *Z. subflavescens* Rothsch.

3 ♂♂, 1 ♀ Aroewarwa Creek ; 6 ♀♀, 1 ♀ Fonte Boa ; 1 ♂ Potaro ; 1 ♂ Santo Antonio do Javary.

96. *Z. cruciata* Rothsch.

2 ♂♂ Fonte Boa.

97. *Z. ockendeni* Rothsch.

1 ♂ La Oroya.

98. *Z. griseorufa* Rothsch.

2 ♂♂ Fonte Boa.

99. *Z. binotata* Rothsch.

1 ♂ Fonte Boa.

100. *Z. bilineata bilineata* Rothsch.

1 ♂ La Union, Carabaya.

100A. *Z. bilineata rufobrunnea* Rothsch.

2 ♂♂ Fonte Boa.

101. **Z. modesta** Schaus.

1 ♂ Aroewarwa Creek ; 1 ♀ British Guiana.

102. **Z. sublutescens** Rothsch.

6 ♂♂, 1 ♀ La Oroya ; 1 ♂ British Guiana (Whitford) ; 1 ♂ Tinguri.

103. **Z. albescens** Rothsch.

1 ♂, 1 ♀ Fonte Boa.

104. **Z. iridescens** nom. nov.

I propose this new name for the insect I described under the name of *nitida*, as there is already in this genus a *nitida* described by Stoll.

2 ♂♂ Fonte Boa ; 2 ♂♂ Potaro.

105. **Z. irrorata** Rothsch.

1 ♂ Fonte Boa.

106. **Z. flavipuncta** Rothsch.

1 ♂ Fonte Boa.

107. **Z. miniata** Rothsch.

2 ♂♂ Fonte Boa ; 1 ♂ Santo Antonio do Javary.

108. **Azatrepes discalis** Walk.

12 ♀♀, 8 ♂♂ Fonte Boa ; 2 ♂♂ Tinguri ; 1 ♂, 1 ♀ Rio Huacamayo ; 2 ♀♀ Allianca ; 2 ♂♂ La Union, Carabaya ; 1 ♂ Codajas ; 2 ♂♂ Tefé (Mathan).

109. **Az. paradisea** Bntl.

1 ♂ Codajas ; 3 ♂♂, 1 ♀ Rio Huacamayo ; 11 ♂♂ Fonte Boa ; 2 ♂♂ La Union, Carabaya.

110. **Az. fuliginosa** Rothsch.

12 ♂♂ Fonte Boa.

111. **Neaxia ockendeni** Rothsch.

1 ♂ Rio Huacamayo ; 1 ♂ Fonte Boa.

112. **N. klagesi** Rothsch.

2 ♂♂ Aroewarwa Creek ; 1 ♂ Potaro.

113. **N. gnosia** Schaus.

1 ♂ Santo Antonio do Javary ; 1 ♂ Fonte Boa ; 1 ♂ Allianca.

114. **N. theon** Druce.

6 ♂♂, 1 ♀ Merida ; 1 ♂ La Union, Carabaya ; 1 ♀ Tinguri.

115. **N. bella** Schaus.

1 ♂ Potaro ; 1 ♂, 2 ♀♀ Aroewarwa Creek ; 5 ♂♂, 1 ♀ Fonte Boa ; 1 ♂ La Union, Carabaya.

116. **N. costaricensis** Rothsch.

1 ♂ Carablanco de Sarapiquí.

117. **N. kennedyi** Rothsch.

1 ♂ Minas Geraës.

118. **Eriostepta beata** Dogn.

7 ♂♂, 3 ♀♀ Fonte Boa ; 1 ♂ La Oroya ; 2 ♂♂ La Union, Carabaya.

119. **E. roseireta** Hmps.

2 ♂♂, 1 ♀ Fonte Boa ; 1 ♂ Aroewarwa Creek ; 1 ♂ Santo Antonio do Javary.

120. **E. bacchans** Schaus.

2 ♂♂ Aroewarwa Creek.

121. **E. fulvescens** Rothsch.

5 ♂♂ Fonte Boa ; 3 ♂♂ Aroewarwa Creek.

122. **Demolis albicostata** Hmps.

1 ♂ Sapucay ; 1 ♂ Minas Geraës.

123. **D. flavothorax** Rothsch.

1 ♂ Fonte Boa ; 1 ♂ Tefé (Mathau).

124. **Amaxia osmophora** Hmps.

1 ♂ Onaca, Sta. Marta ; 1 ♂ Merida.

125. **A. pulchra** Rothsch.

10 ♂♂ Santo Domingo ; 2 ♂♂ La Oroya.

126. **A. affinis** Rothsch.

23 ♂♂ Santo Domingo.

127. **A. apyga** Hmps.

2 ♂♂ Rio de Janeiro ; 3 ♂♂, 1 ♀ Fonte Boa ; 1 ♂ Brazil ; 1 ♂ Amazon River (Felder coll.).

128. **Amaxia** species ?

1 ♀ Bogotá (Felder coll.), too imperfect to describe.

129. *A. pyga* Schaus.

1 ♂, 2 ♀♀ Costa Rica (Underwood); 1 ♀ Amazon River (Felder coll.); 1 ♀ ?.

130. *A. consistens* Schaus.

13 ♂♂, 5 ♀♀ Fonte Boa; 1 ♀ Santo Antonio do Javary.

131. *A. dyuna* Schaus.

1 ♂ Santo Domingo.

132. *A. rufobasalis* Rothsch.

9 ♂♂ Fonte Boa.

133. *A. pardalis pardalis* Walk.

5 ♂♂ Huatuxco.

133A. *A. pardalis parva* Rothsch.

12 ♂♂ Aroewarwa Creek; 1 ♀ Manaos.

134. *A. erythrophleps* Hmps.

1 ♂ Onai; 5 ♂♂ Tumatumari; 2 ♂♂ Potaro; 8 ♂♂, 3 ♀♀ Fonte Boa; 1 ♂ Amazonas (Meyer coll.).

135. *A. hebe* Schaus.

1 ♂ Rio de Janeiro; 1 ♀ Rio de Janeiro (Felder coll.); 4 ♂♂ Minas Geraës.

136. *A. chaon* Druce.

9 ♂♂ Potaro; 10 ♂♂, 3 ♀♀ Fonte Boa; 5 ♂♂ Santo Domingo; 1 ♂, 1 ♀ Aroewarwa Creek; 2 ♀♀ Brit. Guiana (Whitford); 1 ♂ Tumatumari; 1 ♂ Onaca; 1 ♀ Costa Rica (Underwood).

137. *Evius aurococcinea* Walk.

6 ♂♂, 1 ♀ Fonte Boa; 5 ♂♂, 24 ♀♀ Aroewarwa Creek.

138. *Neonerita dorsipuncta* Hmps.

1 ♂ Calama; 2 ♀♀ Sapucay.

139. *N. haematosticta haematosticta* Dogn.

8 ♂♂, 1 ♀ Limbani; 23 ♂♂, 6 ♀♀ Agualani; 2 ♂♂ Oconque; 1 ♂ Rio Huacamayo.

139A. *N. haematosticta parvimacula* subsp. nov.

Differs from *haem. haematosticta* in the subapical patch of the forewing being smaller and more wedge-shaped, and the ground-colour of the dark markings paler.

3 ♂♂ Sau Antonio, W. Colombia (G. M. Palmer).

140. *Areomolis sanguinea* Hmps. n.

5 ♂♂ Potaro; 3 ♂♂ La Oroya; 10 ♂♂ Fonte Boa; 1 ♂ Tinguri.

This insect has two distinct forms: a smaller one, with the yellow ground-colour almost obliterated by dense fiery scarlet crimson scales, and the slate-coloured transverse bands powdered with red; and a larger form where the red scaling is sparser, more scarlet, and the yellow more visible, the slate bands being broader and quite devoid of red.

141. *A. rhodographa* Hmps. n.

1 ♂ Tefé (Mathan); 49 ♂♂, 12 ♀♀ Fonte Boa; 1 ♂ Santo Antonio do Javary; 3 ♂♂ Codajas.

141A. *A. rhodographa peruviana* Roths. ch.

1 ♂ La Union, Carabaya.

142. *A. persimilis* Roths. ch.

7 ♂♂, 3 ♀♀ Fonte Boa; 6 ♂♂, 3 ♀♀ Aroewarwa Creek; 2 ♂♂ Codajas; 1 ♂ Santo Antonio do Javary; 1 ♀ Allianca; 2 ♂♂ La Union, Carabaya.

143. *A. alboapicalis* Roths. ch.

1 ♀ Aroewarwa Creek.

144. *A. griseata* Roths. ch.

1 ♂ Fonte Boa.

145. *Parevia metachryseis* Hmps. n.

9 ♂♂, 7 ♀♀ Aroewarwa Creek.

146. *Parevia mathani* Roths. ch.

1 ♂ Tefé (Mathan).

147. *Parevia maculata* Roths. ch.

1 ♀ Fonte Boa.

148. *Parevia sisenna* Druce.

7 ♀♀ Aroewarwa Creek.

149. *Parevia methaemia* Schans.

8 ♀♀ Aroewarwa Creek.

150. *Automolis albescens* Roths. ch.

1 ♀ British Guiana (Whitford); 1 ♂ Aroewarwa Creek.

151. *A. bicolor* Roths. ch.

1 ♂ Valencia, Venezuela; 1 ♀ Onaca; 1 ♀ Chanchamayo, 2100—7500 ft.

152. *A. favillacea* Rothsch.

1 ♀ Aroewarwa Creek.

153. *A. virescens* Rothsch.

4 ♂♂, 2 ♀♀ Santo Domingo.

154. *A. testacea* Rothsch.

1 ♂, 1 ♀ La Union, Carabaya; 1 ♀ Santo Domingo; 3 ♂♂, 2 ♀♀ Rio Huacamayo.

155. *A. turrupianoides* sp. nov.

♂. Legs, pectus, palpi, and frons black; vertex and thorax cream-colour; abdomen buffy orange.—Forewing semihyaline cream-colour, a black subbasal spot on costa, a median long black patch on costa reaching almost to vein 11, a black postmedian patch on costa reaching to vein 9, a postmedian black patch on inner margin reaching beyond vein 1.—Hindwing semihyaline cream-colour, inner area orange-buff.

Length of forewing: 21 mm.

Hab. Santo Antonio do Javary, Upper Amazons (S. M. Klages).

1 ♂.

156. *A. critheis* (Druce).

10 ♂♂ Fonte Boa; 1 ♂ Quedo, Ecuador; 1 ♂ Potaro; 1 ♂ La Oroya; 1 ♂ British Guiana (Whitford); 1 ♂ Colombia (Pratt); 1 ♀ Omai.

157. *A. ochreata* Schaus.

4 ♂♂ Aroewarwa Creek.

158. *A. ochracea* Rothsch.

3 ♂♂, 1 ♀ Santo Domingo; 1 ♂, 3 ♀♀ La Oroya.

159. *A. luteorosea* Rothsch.

1 ♀ Christianaburg, Brit. Guiana.

160. *A. multicolor* Rothsch.

2 ♂♂ Potaro.

161. *A. herois* (Schaus).

1 ♂ Potaro; 2 ♂♂ Fonte Boa; 1 ♂ Jalapa; 1 ♂ Orizaba; 1 ♂ Lita, Ecuador; 1 ♀ Corondalet; 1 ♀ Merida.

162. *A. irragori* Dogn.

1 ♀ Onaca; 1 ♀ Paramba; 1 ♀ Merida.

163. *A. coacta* Dogn.

23 ♂♂ Santo Domingo; 4 ♂♂ Merida; 3 ♂♂ La Oroya; 1 ♂ Tinguri; 1 ♂ Huancabamba; 1 ♂ Popayan (Lehmann); 4 ♂♂ San Antonio (W. Colombia).

164. *A. dognini* spec. nov.

♀. Similar to *coacta*. Differs by the much more crimson thorax and abdomen, the black streaks from base of forewing being only 4 in number between costa and median vein, a black dot near base on vein 1, and a crimson streak between it and base; a perfectly straight broad median black band only broken by the white veins, and bordered with white.

Hab. La Oroya, Carabaya (Ockenden).

1 ♀.

165. *A. metacrinis* Rothsch.

1 ♂ Onaca; 1 ♀ S. Javier; 1 ♀ Rio Cayapas; 1 ♀ Paramba.

166. *A. crinis* (Druce).

1 ♂, 1 ♀ Costa Rica (Underwood); 2 ♂♂ Ciudad de Guatemala.

167. *A. delicata* (Moesch.).

1 ♂ Jamaica; 1 ♀ Newcastle, Jamaica.

168. *A. larissa* (Druce).

1 ♂ Caparo; 2 ♂♂ Aroewarwa Creek; 1 ♂ Fonte Boa.

169. *A. fasciipuncta* Rothsch.

2 ♂♂ La Union, Carabaya; 1 ♀ La Oroya; 1 ♂ Fonte Boa.

170. *A. nigropunctata* Rothsch.

1 ♂ Fonte Boa.

171. *A. aleteria* Schaus.

1 ♂ St. Ann's, Trinidad (F. E. Tryhane); 4 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ British Guiana (Whitford); 1 ♂ La Union, Carabaya; 2 ♂♂, 2 ♀♀ Aroewarwa Creek.

172. *A. reducta* Walk.

2 ♂♂, 1 ♀ ? (Felder coll.); 1 ♂ Rio de Janeiro; 1 ♂ Brazil; 2 ♂♂ Fonte Boa; 1 ♂ Rio Demerara.

173. *A. lurida* (Feld.).

1 ♂ ?, Type (Felder coll.); 12 ♂♂ Potaro; 1 ♀ Rio Demerara; 2 ♀♀ British Guiana (Whitford); 1 ♂ ?; 1 ♂ Fonte Boa.

174. *A. luridoides* spec. nov.

♂. Similar to *lurida*, only much paler. Differs by the basal blue patch on forewing being larger and much longer; the discal and terminal patches are much smaller, longer, more oblique and narrow, all three being broadly margined with white.

Hab. Preto; Minas Geraës.

1 ♂.

175. **A. pseudoflavescens** spec. nov.

♂. Differs from *flavescens* by the paler colour of its forewings, and the dark patch being sharply defined, sooty brown-grey without yellow centre.—Hindwings semihyaline greyish white, **not** sooty brown.

Hab. Preto, Minas Geraës.

1 ♂.

176. **A. flavescens** (Walk.).

This is quite distinct from *asara* Druce.

1 ♂ San Ernesto ; 5 ♂♂ Palcazn.

177. **A. aureogrisea** Rothsch.

2 ♂♂ Santo Domingo ; 1 ♂ Marcapata.

178. **A. prumaloides** Rothsch.

2 ♂♂ Fonte Boa.

179. **A. tripunctata** (Druce).

2 ♂♂ Tuis, Costa Rica ; 1 ♂ Carreblanco.

180. **A. ockendeni** Rothsch.

4 ♂♂ La Oroya ; 1 ♂ Santo Domingo.

180A. **A. ockendeni lativitta** Rothsch.

4 ♂♂ Fonte Boa.

181. **A. apicalis** Walk.

1 ♂, 1 ♀ Amazons (Bates) (Felder coll.).

182. **A. sphingidia** (Perty).

1 ♂ ?, Type of *Euplesia vittigera* Felder ; 1 ♂ Fonte Boa ; 1 ♂ Obidos ; 1 ♂ Bartica, British Guiana ; 2 ♂♂ Amazon River (Felder coll.).

183. **A. opposita** (Walk.).

1 ♂ ?, very imperfect (Felder coll.) ; 1 ♀ ?, Type of *Euplesia ochrophila* Felder ; 3 ♂♂ Aroewarwa Creek ; 1 ♂ Fonte Boa ; 1 ♂ Amazonas (Meyer coll.).

184. **A. ditissimus** (Walk.).

2 ♂♂ La Oroya ; 2 ♂♂ Paramba.

185. **A. fenestrata** spec. nov.

♂. Buffy brown : Forewings wood-brown irrorated with buff, a large angulated hyaline patch from costa to vein 2, and a small one on outer margin between veins 3 and 4.—Hindwing buff.

Length of forewing : 17 mm.

Hab. Amazon River (Felder coll.).

1 ♂.

186. **A. apiciplaga** Rothsch.

1 ♂, 1 ♀ Fonte Boa.

187. **A. flavinotata** Rothsch.

1 ♀ Santo Antonio do Javary.

188. **A. flavomarginata** spec. nov.

♀. Pectus yellow; palpi, abdomen, and thorax crimson powdered with yellow. —Forewing deep brown mauve, costa and outer margin yellow, a postmedian large yellow wedge-shaped patch runs from costa to vein 5, the dark area of wing broadly edged with scarlet. —Hindwing salmon-rose.

Length of forewing: 14 mm.

Hab. Fonte Boa, Upper Amazons (S.M. Klages).

1 ♀.

189. **A. linaza** Dogn.

This is quite distinct from *lutosa* Hnebn.

190. **A. formana** Schaus.

1 ♂ Rio Demerara; 1 ♂ Fonte Boa; 1 ♂ Christianaburg; 1 ♀ Omai; 1 ♀ Holguin, Cuba.

191. **A. juvenis** (Schans).

1 ♂, 2 ♀♀ Jalapa.

192. **A. citrina** (Drnce).

3 ♂♂, 1 ♀ Merida; 1 ♂ Castro, Parana; 1 ♂ São Paulo; 1 ♂ Paraguay (Dr. Bohls); 2 ♂♂, 2 ♀♀ Caracas, Venezuela; 1 ♀ Patino-Cué.

193. **A. pseudidalus** Rothsch.

1 ♀ Fonte Boa.

194. **A. pseudopraemolis** Rothsch.

3 ♂♂ La Oroya.

195. **A. propinqua** Rothsch.

1 ♂ Rio Huacamayo.

196. **A. divisus** (Herr.-Schaeff.).

5 ♂♂ Santo Domingo; 1 ♂ Rio Huacamayo; 1 ♂ La Union, Carabaya; 1 ♂, 1 ♀ Tinguri.

197. **A. carmesina** Rothsch.

6 ♂♂, 5 ♀♀ Fonte Boa.

198. **A. crocos** (Cram.).

4 ♂♂ Fonte Boa; 1 ♂?; 2 ♀♀ Tefé (Matban); 1 ♀ Cayenne (Felder coll.).

199. *A. cruenta* Rothsch.

3 ♂♂ La Union, Carabaya ; 1 ♂ Fonte Boa.

200. *A. sanguinolenta* (Cram.).

1 ♂ ? (Felder coll.); 1 ♂ Pozuzu; 5 ♂♂ Potaro; 1 ♂, 1 ♀ Tctfë (Mathan); 1 ♂ Christianaburg; 1 ♂ British Guiana; 1 ♂ La Union, Carabaya; 1 ♂ Aroewarwa Creek; 3 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ British Guiana (Whitford).

201. *A. grandis* (Druce).

2 ♂♂ La Oroya; 5 ♂♂, 1 ♀ Santo Domingo.

202. *A. subflammans* Rothsch.

1 ♂ Sta. Catharina; 1 ♂ Bogotá.

203. *A. flammans* Hmps.

6 ♂♂ La Union, Carabaya; 1 ♂, 1 ♀ British Guiana (Whitford); 1 ♂, 1 ♀ Tuis.

204. *A. subtruncata* Rothsch.

1 ♂, 2 ♀♀ Sta. Catharina; 1 ♂, 1 ♀ Brazil (Felder coll.); 1 ♀ Rio de Janeiro.

205. *A. pandiona* Stoll.

6 ♂♂, 5 ♀♀ Santo Domingo.

206. *A. rhodocyma* Hmps.

11 ♂♂ Santo Domingo; 7 ♂♂ La Oroya; 1 ♂ Tinguri; 1 ♂ Rio Huacamayo; 1 ♂ La Union, Carabaya.

207. *A. brunneireta* Dogn.

3 ♂♂ Rio Huacamayo; 4 ♀♀ Sauto Domingo.

208. *A. rubrireta* Dogn.

2 ♂♂ Tinguri; 1 ♂ La Oroya; 1 ♂ Santo Domingo.

209. *A. semirosea* Walk.

3 ♂♂ Fonte Boa; 1 ♀ Potaro; 1 ♂ Amazon River (Felder coll.); 1 ♀ ? (Meyer coll.).

210. *A. juno* (Schaus).

1 ♀ ? (Felder coll.); 1 ♀ Amazonas (Meyer coll.); 1 ♂ Nova Friburgo (Peters, Pl. 14).

211. *A. traili* (Butl.).

4 ♂♂ Aroewarwa Creek; 15 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ Potaro; 1 ♂ La Union to Sauto Domingo.

212. *A. hyalina hyalina* Rothsch.

3 ♂♂ La Oroya ; 2 ♂♂ Santo Domingo ; 1 ♂ Fonte Boa.

212a. *A. hyalina amaculata* subsp. nov.

Differs from *hyalina hyalina* in the hindwing being more densely scaled and entirely buffy yellow ; from tornus to vein 3 the cilia only is sooty, the large sooty patch of *hy. hyalina* being absent.

Hab. Colombia (W. E. Pratt).

1 ♂.

213. *A. griseipennis* Rothsch.

7 ♂♂, 2 ♀♀ Fonte Boa ; 1 ♂ La Union, Carabaya.

214. *A. docis* Hnebu.

4 ♂♂, 1 ♀ Itaituba to Obidos ; 2 ♂♂, 2 ♀♀ Obidos ; 1 ♂ Brit. Guiana ; 5 ♂♂, 2 ♀♀ Fonte Boa ; 1 ♂ Santo Antonio do Javary ; 2 ♀♀ Bolivia (Felder coll.) ; 1 ♀ Brit. Guiana (Whitford).

215. *A. strigosa* (Walk.).

1 ♂ Fonte Boa ; 1 ♂ La Union, Carabaya ; 1 ♀ Goyas Town, Jan. 1906 (G. A. Baer) ; 1 ♀, Type of *Eucyrtia subulifera* Feld. ; 2 ♂♂ Caracas, Venezuela.

216. *A. niveomaculata* Rothsch.

1 ♂ La Union, Carabaya.

217. *A. albiplaga* Schaus.

5 ♂♂ Fonte Boa.

218. *A. klagesi* Rothsch.

1 ♂ Fonte Boa ; 1 ♀ Codajas.

219. *A. uniformis* Rothsch.

1 ♂ Aroewarwa Creek.

220. *A. godmani* (Drnce).

This is a perfectly distinct species from *rutilus* Stoll.

221. *A. cingulata* Rothsch.

2 ♀♀ Quevedo.

222. *A. rutilus* (Stoll).

1 ♂ Río Dagua ; 1 ♂ St. Laurent de Maroni ; 1 ♂ British Guiana (Whitford) ; 1 ♂ Santo Domingo ; 2 ♀♀ Valencia ; 1 ♀ Tefé (Mathan) ; 1 ♂, 3 ♀♀ Caracas, Venezuela.

223. *A. persimilis persimilis* Rothsch.

16 ♂♂ La Oroya ; 3 ♂♂ Tinguri ; 1 ♂ La Union, Carabaya.

223A. *A. persimilis marginata* Rothsch.

1 ♂ Tuis ; 2 ♀♀ Fonte Boa ; 1 ♀ Codajas.

224. *A. separata* Walk.

13 ♂♂ Potaro ; 5 ♂♂, 3 ♀♀ Fonte Boa ; 3 ♂♂, 2 ♀♀ Aroewarwa Creek ;
1 ♀ Tumatumari.

225. *A. sypilus* (Uram).

5 ♂♂ Caparo ; 1 ♀ Paramba.

226. *A. pseudomeoides* Rothsch.

4 ♂♂, 2 ♀♀ La Union, Carabaya ; 2 ♂♂ Fonte Boa ; 1 ♂ Maipures, Orinoco,
December 1898 (Cherrie).

227. *A. chrysomelas* Walk.

1 ♂ Minas Geraës ; 2 ♂♂ Petropolis ; 1 ♀ Sapucay ; 1 ♀ São Paulo ; 1 ♂,
Type of *Eucyrta geometrica* Felder.

228. *A. albimaculifera* Hmps.

1 ♂, 1 ♀ Fonte Boa ; 1 ♂ Tefé (Mathan).

229. *A. contraria* Walk.

1 ♂? (Felder coll.) ; 1 ♂ Buenavista ; 2 ♂♂ Potaro ; 1 ♂ Humayta ; 3 ♂♂
Fonte Boa ; 1 ♂ Tefé (Mathan) ; 1 ♀ La Union, Carabaya.

230. *A. sicilia* Druce.

1 ♀ San Pedro Sula, Honduras (fide Fruhstorfer).

231. *A. zenzeroides* Butl.

1 ♂ Fonte Boa ; 1 ♂ Río Huacamayo ; 1 ♂ La Oroya ; 2 ♂♂, 1 ♀ La Union,
Carabaya.

232. *A. latania* Druce.

5 ♂♂, 3 ♀♀ Merida ; 1 ♀ Cucuta, Venezuela ; 1 ♀ Caracas, Venezuela.

233. *A. orbana* Schaus.

1 ♂ Caparo.

234. *A. bonora* Schaus.

1 ♂ Caparo.

235. *A. luteola* Rothsch.

2 ♂♂ Cucuta, Venezuela ; 1 ♂ Patao Guiria, Aug. 1891 ; 1 ♀ Patino-Oué ; 1 ♀
Sapucay.

236. *A. superba* Druce.

2 ♂♂ Fonte Boa.

237. *A. salma* Druce.

This is a quite distinct species from *superba* and not the male of it, for I have examined both sexes of each.

1 ♀ Guyapa, Canra River; 1 ♀ Tumatumari.

238. *A. elissoides* Rothsch.

1 ♂ Merida; 1 ♂ Port of Spain; 1 ♀ Caparo; 1 ♀ Belmont; 1 ♀ Rio Solo-came, Bolivia; 1 ♀ Belmont, Port of Spain (E. Lafond); 2 ♂♂ Caracas, Venezuela.

239. *A. elissa* Schaus.

3 ♂♂ Fonte Boa; 1 ♂ Santo Antonio do Javary; 1 ♀ Aroewarwa Creek; 1 ♀ Potaro River, Brit. Guiana.

240. *A. pseudelissa* Dogn.

1 ♂, 1 ♀ La Oroya; 25 ♂♂, 2 ♀♀ Santo Domingo; 5 ♂♂ Merida.

241. *A. buckleyi buckleyi* (Druce).

1 ♂, 1 ♀ San Ernesto.

241A. *A. buckleyi harterti* Rothsch.

5 ♂♂ Fonte Boa.

241B. *A. buckleyi whitfordi* Rothsch.

1 ♂, 1 ♀ Brit. Guiana (Whitford).

242. *A. garleppi garleppi* (Druce).

2 ♂♂ San Ernesto; 2 ♂♂ Rio Songo to Rio Suapi; 2 ♂♂ Cajon, Cuzco; 1 ♂ Yungas de Coroico.

242A. *A. garleppi pallidipennis* subsp. nov.

Differs from *gar. garleppi* in having the hindwings hyaline-buff, tinged with rose on the inner area, **not** salmon crimson.

Hab. 4 ♂♂ Fonte Boa; 2 ♂♂ La Oroya.

242B. *A. garleppi inversa* Rothsch.

4 ♂♂, 1 ♀ Santo Domingo.

243. *A. rectiradia* Hmps.

6 ♂♂ Potaro; 1 ♂, 1 ♀ Amazon River (Felder coll.)

244. *A. diluta* (Feld.).

1 ♂?, Type (Felder coll.); 3 ♂♂ British Guiana (Whitford); 2 ♂♂ Potaro; 1 ♂ Santo Domingo; 2 ♂♂ Caparo; 1 ♂ Trinidad; 1 ♂ La Oroya; 1 ♂ Valencia; 1 ♂ Venezuela; 2 ♀♀ Fonte Boa; 1 ♀ Carupano, Dec. 1891 (C. W. Ellacombe);

2 ♀♀ San Pedro Sula, Honduras (fide Fühstorfer); 1 ♀ Jalapa; 1 ♀ Tuis; 1 ♂, 1 ♀ Caracas, Venezuela. The two females from Fonte Boa have entirely black hindwings.

245. *A. brunnescens brunnescens* Rothsch.

10 ♂♂, 2 ♀♀ Fonte Boa.

245A. *A. brunnescens unicolor* Rothsch.

1 ♂ Buenavista.

246. *A. griseonitens* Rothsch.

1 ♂ La Oroya; 1 ♂, 1 ♀ Santo Domingo.

247. *A. dilucida* spec. nov.

♂. Pectus brick-red; head and thorax and antennae testaceous; abdomen crimson; both wings semihyaline white, basal half of forewings with grey streaks, a black discocellular stigma with grey centre.

Length of forewing: 17 mm.

Hab. Perené River, Peru, March 1900.

1 ♂.

248. *A. ruficauda* spec. nov.

♂. Pectus and head rosy crimson; antennae, thorax, and first four segments of abdomen fuscous, brownish grey; rest of abdomen rosy crimson. Both wings testaceous, grey-brown.

Length of forewing: 17 mm.

Hab. Preto, Minas Geraes.

1 ♂.

249. *A. ardesiaca* Rothsch.

2 ♂♂ Tuis.

250. *A. angulosa* Walk.

1 ♂ Rio de Janeiro; 1 ♂, 1 ♀ Brazil.

251. *A. dolens* Druce.

1 ♀ Sapucay.

252. *A. semicostalis* Rothsch.

1 ♂ Fonte Boa; 1 ♀ Paramaribo, December 1892 (C. W. Ellacombe).

253. *A. apicalis* Rothsch.

I have come to the conclusion that this is **not** a subspecies of my *semicostalis*, but a distinct species.

1 ♀ ten miles above Mapiiri, Bolivia, 2000 ft., 1895 (Maxwell Stuart).

254. *A. alboatra* Rothsch.

1 ♂ Fonte Boa; 1 ♂ Rio Demerara; 1 ♂ La Oroya; 1 ♂ La Union, Carabaya. This last specimen has the sooty margin of hindwing all round the wing and along the costa.

255. **A. zonana** Schaus.

1 ♂ La Union, Carabaya ; 1 ♂ Tinguri.

256. **A. moma** Schaus.

3 ♂♂ La Oroya ; 5 ♂♂ Fonte Boa ; 1 ♂ Buenavista ; 2 ♂♂ Santo Domingo ; 1 ♂ La Union, Carabaya ; 1 ♂ Santo Antonio do Javary ; 1 ♂ Telfé (Mathau) ; 1 ♀ Sta. Catharina.

257. **A. underwoodi** Rothsch.

1 ♂ Costa Rica (Underwood).

258. **A. fulgurata** Bntl.

1 ♂ Buenavista.

259. **A. melea** Druce.

3 ♂♂, 3 ♀♀ Merida.

260. **A. collateralis** Hmps. n.

3 ♂♂, 3 ♀♀ Tuis.

261. **A. rosenbergi** Rothsch.

3 ♂♂, 3 ♀♀ Paramba ; 1 ♀ Tachira, Venezuela ; 1 ♀ Hacienda Ave Maria, West Ecuador (v. Buchwald).

262. **A. taeniata** Guér.

2 ♂♂ Jalapa ; 2 ♂♂, 2 ♀♀ Costa Rica (Underwood) ; 5 ♂♂, 1 ♀ Orizaba ; 2 ♂♂? ; 2 ♂♂, 3 ♀♀, Huatuxco ; 1 ♂ Vera Cruz ; 1 ♀ Ciudad de Guatemala ; 1 ♀ Tuis ; 1 ♀ ? (Felder coll.).

263. **A. packardi packardi** Bntl.

1 ♂ Pebas ; 1 ♂ Itaituba to Obidos ; 1 ♂ Humayta ; 1 ♂ Fonte Boa ; 1 ♂ Aroewarwa Creek ; 1 ♀ Rio Demerara.

263A. **A. packardi saturata** Rothsch.

1 ♂, 1 ♀ Santa Catharina.

264. **A. crocopera** Schaus.

1 ♀ Aroewarwa Creek.

265. **A. vittipes** Walk.

This species has two phases, one in which the ground-colour is reddish salmon, and the other in which it is golden yellow.

1 ♂ Amazon River (Felder coll.) ; 1 ♂, 2 ♀♀ Amazon River (Meyer coll.) ; 1 ♂, 1 ♀ Fonte Boa ; 2 ♂♂ Aroewarwa Creek ; 1 ♂ Sapucay ; 1 ♀ Bahia ; 1 ♀ Lita, Ecuador ; 1 ♀ Pozuzu.

266. *A. polystria* Schaus.

1 ♂ British Guiana (Whitford).

267. *A. stenotis* Dogn.

3 ♂♂ Fonte Boa.

268. *A. pulverosa* Schaus.

1 ♂ Buenavista; 4 ♂♂, 1 ♀ Fonte Boa; 2 ♂♂ La Union, Carabaya; 1 ♀ Bartica, British Guiana.

269. *A. asteroides* Schaus.

1 ♂ La Union, Carabaya.

270. *A. reticulata* Rothsch.

1 ♂ Fonte Boa.

271. *A. semiopalina* Feld.

2 ♀♀ (1 type) Cayenne (Felder coll.); 3 ♂♂ Fonte Boa; 1 ♂ Potaro.

272. *A. tybris* (Cram.).

1 ♂ Amazon River; 1 ♂ Rio Demerara; 1 ♀ Fonte Boa.

273. *A. felderi* Rothsch.

1 ♀ Colombia (Felder coll.).

274. *A. intermedia* Rothsch.

1 ♂? (Felder coll.); 1 ♂ La Union, Carabaya; 1 ♂ Allianca; 2 ♂♂ Amazonas (Meyer coll.); 3 ♂♂ St. Laurent de Maroni.

275. *A. vitrea vitrea* Stoll.

1 ♂? (Felder coll.); 1 ♂ Fonte Boa.

275A. *A. vitrea borealis* Rothsch.

3 ♂♂, 2 ♀♀ Orizaba; 1 ♂ St. George (Ellacombe); 1 ♂ Vera Cruz; 2 ♂♂, 1 ♀ Ciudad de Guatemala; 1 ♂ Rosary Mine, Spanish Honduras, 3000—4000 ft.; 1 ♀ Huatuxco; 1 ♂ San Pedro Sola, Honduras (fide Fruhstorfer); 1 ♂ Trinidad; 1 ♂ Venezuela (Felder coll.); 1 ♂ Caripe, Venezuela (Mocquerys); 3 ♂♂, 2 ♀♀ Caracas, Venezuela.

275B. *A. vitrea occidentalis* Rothsch.

6 ♂♂ La Union, Carabaya.

275C. *A. vitrea meridionalis* Rothsch.

1 ♂ Sapucay; 1 ♂ Brazil.

276. **A. lineosa** Walk.

2 ♂♂ La Oroya ; 1 ♂ Tinguri ; 1 ♀ Christianaburg ; 1 ♀ Santo Domingo ; 1 ♀ Costa Rica (Underwood).

277. **A. erythronata** Herr.-Schaeff.

1 ♂ La Oroya ; 1 ♂ Tinguri ; 18 ♂♂, 5 ♀♀ Santo Domingo ; 1 ♂, 2 ♀♀ Merida ; 2 ♂♂, 1 ♀ ? (Felder coll.) ; 1 ♂ San Antonio, W. Colombia (Palmer).

278. **A. ilus** (Cram.).

In Hampson's *Catalogue*, vol. iii. p. 67, this species is enumerated as *Automolis annulata* (Schans), and *Elysius optimus* Butler is identified with *Noctua ilus* of Cramer as *Prumala ilus*. This is an error, and *Noctua ilus* is a perfectly distinct insect not in the remotest degree to be confounded with Butler's *optimus*.

7 ♂♂, 2 ♀♀ Fonte Boa ; 7 ♂♂, 3 ♀♀ Aroewarwa Creek ; 1 ♂ Rio Demerara ; 1 ♂ Calamo ; 14 ♂♂ Potaro ; 1 ♀ British Guiana (Whitford) ; 1 ♀ Tuis.

279. **A. iloides** Schans.

1 ♂ La Union, Carabaya.

280. **Castrica phalaenoides** (Drury).

2 ♂♂ La Union, Carabaya ; 3 ♂♂ La Oroya ; 1 ♂ Santo Domingo ; 1 ♂ Asahar de Cartago ; 1 ♀ Belmont, Port of Spain, Trinidad (E. Lafond) ; 5 ♂♂, 2 ♀♀ Caracas, Venezuela.

281. **Castrica sordidior** Rothsch.

3 ♂♂ Caparo ; 1 ♂ Fonte Boa.

282. **Thyromolis pythia** (Druce).

5 ♂♂ Potaro ; 4 ♂♂ San Ernesto ; 1 ♂ Fonte Boa ; 3 ♂♂ Yungas de Coroico.

283. **Hyperandra appendiculatus** (Herr.-Schaeff.).

1 ♂ no label ; 1 ♀ Fonte Boa ; 1 ♀ Suapure.

284. **Hypaedia enervis** (Schans).

4 ♂♂ São Paulo ; 1 ♂ Preto, Minas Geraës.

285. **Cissura unilineata** (Dogn.).

8 ♂♂, 5 ♀♀ Santo Domingo.

286. **Cissura decora** Walk.

1 ♂ Santa Catharina ; 2 ♀♀ São Paulo ; 2 ♀♀ ? (Felder coll., 1 type of *Cratosia parallela* Feld.).

287. **Cissura plumbea** Hamps.

8 ♂♂, 2 ♀♀ La Oroya ; 3 ♂♂ Santo Domingo ; 4 ♂♂, 2 ♀♀ La Union, Carabaya ; 1 ♀ Yungas de Coroica.

288. *Melesse amastris* Druce.

27 ♂♂, 8 ♀♀ Santo Domingo; 1 ♂ Rio Hnacamayo; 5 ♂♂, 3 ♀♀ Oconeque; 1 ♂, 1 ♀ La Oroya; 1 ♀ San Antonio (Palmer); 3 ♂♂, 3 ♀♀ Orizaba; 2 ♂♂ Huatuxco; 1 ♂ Vera Cruz; 1 ♀ Jalapa; 2 ♀♀ Costa Rica (Underwood).

289. *M. russatus* H. Edw.

1 ♂ Burica Island, Col., February 4, 1902 (J. H. Batty); 1 ♂ Costa Rica (Underwood); 1 ♂ San José; 1 ♀ Huatuxco; 2 ♀♀ Vera Cruz; 1 ♀? (Felder coll.); 1 ♀ Volcano de Chiriquí; 1 ♀ Carri Blanco.

290. *M. chozeba chozeba* Druce.

19 ♂♂, 3 ♀♀ Santo Domingo; 8 ♂♂ La Oroya; 3 ♂♂, 1 ♀ Tinguri; 1 ♂ Costa Rica; 1 ♂ Venezuela (Felder coll.); 2 ♂♂ Merida; 2 ♀♀ La Union, Carabaya; 2 ♀♀ Fonte Boa.

290A. *M. chozeba intensa* subsp. nov.

Similar to *chozeba chozeba*, but the forewings are much brighter and more intense, being of a bright crimson scarlet in the ♂ and much more crimson in the ♀; in the ♂ the hindwings are when fresh primrose-yellow, not hyaline cream-colour.

Hab. 4 ♂♂, 2 ♀♀ San Antonio, West Colombia (Palmer); 2 ♂♂ Colombia (W. E. Pratt).

291. *M. dorothea* (Stoll).

15 ♂♂ Minas Geraës; 1 ♂, 3 ♀♀ Sapucay; 2 ♂♂ Rio de Janeiro; 1 ♂ Brazil; 3 ♀♀ La Union, Carabaya; 1 ♀ Upper Rio Toro, La Merced, August—September 1901 (Simons); 1 ♂ Rio de Janeiro (Felder coll.).

292. *M. drucei* Rothsch.

1 ♂ Aroewarwa Creek; 5 ♂♂ Fonte Boa; 5 ♂♂ La Union, Carabaya; 6 ♂♂, 1 ♀ Potaro; 1 ♂ Omai.

293. *M. laodamia* Druce.

27 ♂♂, 6 ♀♀ Caparo; 1 ♂ Belmont, Port of Spain (E. Lafond); 4 ♂♂, 4 ♀♀ Caracas, Venezuela.

294. *M. peruviana* Rothsch.

15 ♂♂, 2 ♀♀ Santo Domingo; 1 ♂ Tinguri; 3 ♂♂ La Oroya.

295. *M. hebetis* Rothsch.

10 ♂♂ La Union.

296. *M. ocellata* Hamps.

4 ♂♂ La Oroya; 1 ♂, 1 ♀ Paramba; 4 ♂♂, 1 ♀ La Union, Carabaya; 2 ♂♂ Tinguri.

297. *M. sordida* Rothsch.

2 ♂♂, 1 ♀ Santo Domingo; 1 ♂ Tinguri.

298. *M. hamsoni* Rothsch.

12 ♂♂ Potaro; 5 ♂♂ La Union, Carabaya; 2 ♂♂ Fonte Boa; 3 ♂♂ Aroewarwa Creek.

299. *M. endopyra* Hamps.

10 ♂♂, 3 ♀♀ Santo Domingo; 3 ♂♂ La Oroya; 1 ♂ Rio de Janeiro; 1 ♂ La Union, Caura; 1 ♂ Tinguri.

300. *M. punctata* Rothsch.

1 ♂ Bulim, Ecuador.

301. *M. pusilla* Rothsch.

1 ♂ Potaro; 1 ♀ Aroewarwa Creek, 2 ♂♂ Fonte Boa.

302. *M. nigropunctata* Rothsch.

1 ♂ Minas Geraes; 2 ♂♂ La Union, Carabaya; 3 ♀♀ Aroewarwa Creek; 1 ♀ Buenavista.

303. *M. postica* Walk.

2 ♂♂, 2 ♀♀ La Oroya; 2 ♂♂ La Union, Carabaya; 1 ♂ Rio Huacamayo; 1 ♂ Aroewarwa Creek; 1 ♂ Snapure; 1 ♀ Fonte Boa; 1 ♂ Tefé (Mathan); 1 ♂ Santo Antonio do Javary; 1 ♀ Amazon River, 2 ♀♀ ? (Felder coll.).

304. *M. pumila* Dogn.

5 ♂♂ Fonte Boa; 2 ♂♂ Codajas; 6 ♀♀ Aroewarwa Creek.

305. *M. asana* Druce.

1 ♀ Rio Cayapas; 1 ♀ Fonte Boa; 1 ♀ ?; 1 ♀ Paramba; 1 ♂, 1 ♀ Santa Catharina; 1 ♀ Palma Sola, Venezuela; 1 ♀ Amazon River (Felder coll.).

306. *M. colombiana* Rothsch.

1 ♀ Santa Fé de Bogotá.

307. *M. babosa* Dogn.

1 ♂ La Union, Carabaya; 4 ♂♂ Rio Huacamayo; 1 ♀ Marcapata.

308. *M. chiriquensis* Schaus.

2 ♂♂ Carablanco de Sarapiquí.

309. *M. klagesi* Rothsch.

2 ♂♂ Aroewarwa Creek.

310. *M. surdus* Rothsch.

1 ♂, 1 ♀ Tumatumari; 1 ♂ Paramaribo; 5 ♀♀ Fonte Boa; 5 ♂♂, 1 ♀ St. Laurent de Maroni; 1 ♀ Aroewarwa Creek; 1 ♀ S. Javier.

311. *M. quadripunctata* Rothsch.

1 ♀ Hnancabamba.

312. *M. inconspicua* Rothsch.

1 ♂ Fonte Boa.

313. *M. albogrisea* Rothsch.

1 ♀ Sapucay.

314. *M. incertus* Walk.

16 ♂♂ St. Laurent de Maroni; 8 ♂♂ La Union, Carabaya; 5 ♂♂ Aroewarwa Creek; 4 ♂♂ Fonte Boa; 3 ♂♂ Caparo; 9 ♂♂ Potaro; 1 ♂ British Giana (Whitford); 1 ♀ La Oroya; 1 ♂ Amazons (Bates) (Felder coll.).

315. *M. flavipuncta* Rothsch.

19 ♂♂ Caparo; 13 ♂♂, 3 ♀♀ Aroewarwa Creek; 2 ♂♂, 4 ♀♀ Fonte Boa; 6 ♂♂ Potaro; 1 ♂, 1 ♀ Tumatumari; 1 ♂ Buenavista; 1 ♂ San Ramon; 2 ♂♂ St. Laurent de Maroni; 1 ♀ Santa Catharina; 1 ♂ Omai; 1 ♂ La Union, Carabaya; 1 ♀ Palma Sola, Venezuela.

316. *M. erythrastis* Dogn.

♂. Pectus pale crimson; palpi and frons brown; vertex and thorax brown-grey edged with crimson; abdomen crimson.—Forewing except cell entirely scarlet crimson, slightly washed with buff on and near outer margin; cell area from base to just beyond discocellulars brown.—Hindwing semihyaline rose.

Length of forewing: 14 mm.

Hab. St. Laurent de Maroni.

1 ♂. I have described this insect as it is so remarkably like a suffused aberration of *incertus* Walk.

317. *Bertholdia albipuncta* Schaus.

1 ♂ Hacienda Ave Maria, West Ecuador (v. Buchwald); 2 ♀♀ Valencia, Venezuela; 3 ♂♂ Jalapa; 1 ♂, 1 ♀ Venezuela; 1 ♀ Rio de Janeiro; 1 ♂, 2 ♀♀ Caracas, Venezuela.

318. *B. myosticta* Hamps.

7 ♂♂ La Oroya; 5 ♂♂ La Union, Carabaya; 17 ♂♂, 3 ♀♀ Santo Domingo; 2 ♂♂, 2 ♀♀ Costa Rica (Underwood); 3 ♀♀ Merida; 2 ♂♂, 1 ♀ La Union, Carabaya; 1 ♂, 1 ♀ Rio Huacamayo; 1 ♀ Colombia (W. E. Pratt); 1 ♂, 1 ♀ Tuis; 1 ♀ Yungas de la Paz; 2 ♂♂, 6 ♀♀ Carri Blanco; 1 ♂, 4 ♀♀ Colombia; 1 ♀ Onaca, Sta. Marta; 2 ♂♂, 4 ♀♀ Castro Parana; 1 ♀ Lita, Ecuador, 3,000 ft. (Flemming); 1 ♂, 1 ♀ Sta. Catharina; 1 ♀ Paramba.

319. **B. ockendeni** Rothsch.

3 ♂♂, 2 ♀♀ Oconeque; 1 ♂, 1 ♀ San Antonio (Palmer).

320. **B. rubromaculata** (Rothsch.).

4 ♂♂ Oconeque.

321. **B. steinbachi** Rothsch.

1 ♂ Salta; 1 ♂ Tucuman (Steinbach).

322. **B. soror** Dyar.

1 ♂ Venezuela (Felder coll.); 4 ♂♂, 2 ♀♀ Merida; 3 ♂♂, 3 ♀♀ Ciudad de Tucuman; 1 ♂, 1 ♀ Salta; 6 ♂♂, 6 ♀♀ Tucuman (Steinbach); 6 ♂♂, 6 ♀♀ São Paulo; 2 ♂♂, 4 ♀♀ Castro Parana; 1 ♂, 1 ♀ Minas Geraës; 1 ♀ Oconeque; 1 ♂ Tucuman (Dinelli); 1 ♀ Valencia, Venezuela; 2 ♀♀?; 1 ♀ Sapucay; 1 ♀ Petropolis; 1 ♂, 1 ♀ Caracas, Venezuela.

323. **B. trigona** Grote.

1 ♂ Colorado; 2 ♂♂ Durango (Oslar).

324. **B. schausiana** Dyar.

2 ♂♂, 1 ♀ Costa Rica (Underwood); 1 ♂ Huatuxco.

325. **B. specularis specularis** (Herr.-Schaeff.).

1 ♀ Paraguay (Dr. Bohls); 2 ♂♂ Ucuta, Venezuela; 1 ♀ San José; 2 ♂♂, 4 ♀♀ Orizaba; 1 ♂ Quevedo; 3 ♂♂?; 1 ♂, 2 ♀♀? (Felder coll.); 5 ♂♂, 5 ♀♀ Costa Rica (Underwood); 1 ♂ Bogava, Chiriqui (Watson); 4 ♂♂, 4 ♀♀ Merida; 2 ♀♀ Brazil; 1 ♂ Peru; 2 ♂♂ Jalapa; 1 ♀ Ciudad de Guatemala; 1 ♀ Hnauca-bamba; 1 ♂ Minas Geraës; 1 ♀ Chiriqui.

325A. **B. specularis rufescens** subsp. nov.

Differs from *spec. specularis* in being more suffused with red; may be good species.

2 ♂♂ Santo Domingo, Carabaya; 3 ♀♀ Popayan.

326. **B. grisescens** Rothsch.

10 ♂♂, 4 ♀♀ La Oroya; 4 ♂♂, 1 ♀ Tinguri; 1 ♂, 1 ♀ Santo Domingo; 2 ♀♀ Salidero; 1 ♀ Upper Rio Toro; 1 ♂ Minas Geraës; 3 ♀♀ Santa Catharina; 3 ♂♂ Rio Cayapas; 2 ♀♀ Sapucay; 2 ♀♀ Colombia; 1 ♀ (W. E. Pratt); 1 ♀, La Merced; 1 ♀ Coreato, Cauca (Paine & Brinkley); 1 ♀ Rio Durango; 2 ♀♀ Caracas, Venezuela.

327. **B. flavodorsata** Hlamps.

14 ♂♂, 8 ♀♀ Santo Domingo; 1 ♀ Merida; 1 ♂ La Oroya; 2 ♂♂, 1 ♀ Oconeque; 1 ♀ Paramba.

328. *Xanthophaeina laevis* (Druce).

1 ♂ Brazil (Felder coll.).

329. *Ammalo klagesi* Rothsch.

1 ♀ Fonte Boa.

330. *A. helops helops* (Cram.).

In the north and east of the range of this species specimens frequently occur with red patches in the discal area, and, on the other hand, specimens wanting these spots are not infrequent in the south and west of its range. I think that, nevertheless, in view of the fact that the larger proportion of the southern and eastern specimens have the discal patches while on the contrary the larger proportion of northern and eastern specimens lack these patches, the two forms might be retained at present as subspecies, and not treated as individual aberrations, though the matter is very uncertain.

3 ♂♂ Costa Rica (Underwood); 1 ♂ San Pedro Sula, Honduras (fide Fruhstorfer); 4 ♂♂, 1 ♀ Jamaica (Taylor); 8 ♂♂, 2 ♀♀ Santo Domingo; 1 ♂ Boulym Honse, St. Andrews, Grenada, 170 ft., April 1890; 1 ♂ St. George's November, 1891 (C. W. Ellacombe); 8 ♂♂, 7 ♀♀ Fonte Boa; 1 ♂, 1 ♀ Bahia (Felder coll.); 1 ♂ Cucuta, Venezuela; 3 ♂♂ Orizaba; 2 ♂♂ Port of Spain; 1 ♂ La Union; 2 ♂♂ British Guiana (Whitford); 1 ♂ Tabaquite, Nariena District, Central Trinidad; 1 ♂ La Oroya; 2 ♂♂ Vera Cruz; 1 ♂ Popayan; 3 ♂♂, 2 ♀♀ Merida; 1 ♂ Quintero, May 30, 1899 (Briceño); 1 ♂ Walle, Merida, 2200 metres, June 20, 1899 (Briceño); 1 ♂ Agualani; 1 ♀ Calama, Rio Madeira (Hoffmanns); 1 ♀ Tumatumari; 3 ♀♀ Aroewarwa Creek; 2 ♀♀ Rio Demerara; 3 ♀♀ Rio Durango; 1 ♀ Asahar de Cartago; 1 ♀ Christianaburg; 1 ♀ St. Laurent de Maroni.

330A. *A. helops metapyrrha* (Walk.).

8 ♂♂, 4 ♀♀ Costa Rica (Underwood); 1 ♀ Paramba; 6 ♀♀ Caparo; 1 ♀ Codajas; 1 ♀ Escozu, Costa Rica, August—October 1903 (Underwood); 4 ♀♀ Fonte Boa; 1 ♀ San Ernesto; 1 ♂ Chanchamayo; 1 ♀ Aroewarwa Creek; 1 ♀ Rio Demerara; 1 ♂, 1 ♀ Santa Cruz de la Sierra; 1 ♂, 2 ♀♀ Orizaba; 1 ♀ Wakenaam, British Guiana; 1 ♀ S. Javier, Rio Cachabi (Flemming & Miquetta); 1 ♂, 1 ♀ Minas Geraës; 1 ♂ Merida; 1 ♂ Vera Cruz; 1 ♂ Huatuxco; 2 ♂♂ Tabaquite; 1 ♂, 1 ♀ Mexico (O. T. Baron); 1 ♂ Cajon, Cuzco; 2 ♂♂ Cuba; 2 ♀♀ Cuba (Felder coll.); 5 ♂♂ Santo Domingo; 1 ♂ La Oroya; 1 ♂ Valencia, Venezuela; 1 ♂ 1 ♀?, 2 ♀♀ Trinidad 1 ♀? (Felder coll.); 1 ♀ Port of Spain; 1 ♂ Caracas, Venezuela; 1 ♀ Sapncay; 1 ♀ Tobago (Percy Rendall); 1 ♂, 1 ♀ Brazil (Meyer coll.).

331. *A. constellata* (Dogn.).

1 ♂ Santo Domingo.

332. *A. insulata insulata* (Walk.).

2 ♂♂, 7 ♀♀ Belmont, Port of Spain (E. Lafond); 2 ♂♂, 2 ♀♀ Aroewarwa Creek; 1 ♂ Maraval, July 1891; 1 ♂, 1 ♀ Purnio, Colombia; 1 ♂ Palma Sola, Venezuela; 1 ♀ San Pedro Sula; 1 ♂ Maripa, Caura River; 2 ♂♂, 3 ♀♀ Ciudad Bolivar, Venezuela, September 1898—January 1899 (S. M. Klages); 2 ♀♀ Guyapa,

Canra River; 4 ♂♂, 5 ♀♀ Merida; 1 ♂ Fort George, September 1891; 3 ♀♀ Caparo; 1 ♂, 6 ♀♀ Holguin, Cuba (H. S. Parish); 1 ♀ Cuba; 2 ♂♂, 4 ♀♀ Snapure, Venezuela; 1 ♂, 1 ♀ St. Laurent de Maroni; 1 ♂ 1 ♀ Jamaica (Taylor); 1 ♂, 1 ♀ Guadalajara; 4 ♂♂, 2 ♀♀ Orizaba; 1 ♂, 1 ♀ San José; 2 ♂♂, 4 ♀♀ Costa Rica (Underwood); 8 ♂♂, 1 ♀ Newcastle, Jamaica; 2 ♂♂ British Guiana; 1 ♂, 2 ♀♀ Asahar de Cartago; 1 ♂ Vera Cruz, Mexico; 1 ♂, 1 ♀?; 1 ♂, 6 ♀♀ Jamaica; 1 ♀ Pratville; 1 ♀ San Domingo, West Indies; 1 ♀ Jalapa; 1 ♂, 2 ♀♀ Río de Janeiro (wrong locality?); 1 ♂, 1 ♀ Brazil (Meyer coll.); 3 ♀♀ Carupano River, December 1891 (C. W. Ellacombe); 1 ♀ San Ramon, Nicaragua, June 1905 (Palmer); 1 ♂? (Felder coll.); 2 ♀♀ Popayan (Lehmann); 1 ♀ St. George, British Guiana, December 1901 (C. W. Ellacombe); 1 ♀ Valencia, Venezuela; 1 ♂, 1 ♀ Brazil; 1 ♀ São Paulo; 1 ♀ La Merced, Chanchamayo; 2 ♂♂, 2 ♀♀ Caracas, Venezuela; 1 ♀ Pedrogosa, Merida, 3000 m., October 1897 (Briceño).

333. *Haemanota cubana* spec. nov.

♂. Differs from *rubriceps* in being darker, more blackish, in the wings being longer, narrower and more pointed, and in the whole thorax, including the metathorax, being scarlet.

Hab. 1 ♂ Holguin, Cuba (Parish); 1 ♀ St. Laurent de Maroni.

334. *Glaucostola guttipalpis* (Walk.).

3 ♂♂ Potaro; 1 ♂ Caparo; 1 ♂, 1 ♀ Fonte Boa; 1 ♀ Trinidad; 3 ♀♀ Paramba; 1 ♀ St. Javier, Rio Cachabi (Flemming & Miquetta).

335. *Gl. binotata* (Schaus).

2 ♂♂, 1 ♀ Fonte Boa; 2 ♀♀ Aroewarwa Creek; 2 ♂♂ La Union, Carabaya; 2 ♀♀ Paramba, 3500 ft., June 1897 (W. Rosenberg).

336. *Gl. flavida* (Schaus).

1 ♂ Potaro; 1 ♂ Caparo.

337. *Gl. metaxantha* (Schaus).

1 ♂ Costa Rica (Underwood).

338. *Hyperthaema sanguineata* (Walk.).

1 ♂ Popayan; 11 ♂♂, 2 ♀♀ Santo Domingo; 6 ♂♂, 1 ♀ La Oroya; 2 ♂♂ Peru; 8 ♂♂ Huancabamba; 1 ♂ Rio Tanampaya, Bolivia, 1894 (Garlepp); 2 ♂♂ Cushi, Province Huancoco (W. Hoffmanns); 1 ♂ Bogava, Chiriqui (Watson).

339. *H. haemacta* Schaus.

1 ♂ Asahar de Cartago; 2 ♀♀ Cachabi, November 1896 (Rosenberg).

340. *H. coccinata* Schaus.

2 ♂♂ Santo Domingo; 1 ♂ Cajon, Cuzco; 1 ♂ Popayan; 1 ♀ La Oroya.

341. *H. hoffmannsi* Rothsch.

1 ♂ Teffé (Hoffmanns); 1 ♀ Teffé (Mathan); 1 ♀ Allianca.

342. *Ochrodota pronapides pronapides* (Druce).

4 ♂♂, 1 ♀ Codajas; 2 ♂♂, 4 ♀♀ Fonte Boa; 1 ♀ Rio Cayapas; 1 ♀ Aroewarwa Creek; 1 ♀ S. Javier; 1 ♀ Rio Demerara; 1 ♀ Carondelet, Ecuador (Flemming & Miquetta).

342a. *O. pronapides major* subsp. nov.

Similar to *pron. pronapides*, but very much larger.

Hab. Chiriqui.

1 ♀.

343. *O. similis* Rothsch.

12 ♂♂, 12 ♀♀ Fonte Boa; 7 ♂♂, 23 ♀♀ Codajas; 2 ♀♀ Santo Antonio do Javary.

344. *O. affinis* Rothsch.

3 ♂♂, 6 ♀♀ Fonte Boa; 4 ♀♀ Iquitos, 1893 (Maxwell Stuart); 1 ♂ Teffé (Mathan).

345. *O. funebris* Rothsch.

2 ♂♂ Pozuzu.

346. *O. brunnescens* Rothsch.

1 ♂ Aroewarwa Creek; 15 ♂♂, 1 ♀ Fonte Boa; 4 ♂♂, 1 ♀ Codajas.

347. *O. atra* Rothsch.

3 ♂♂, 1 ♀ La Oroya; 1 ♂ Columbia.

348. *O. tessellata* Rothsch.

4 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ Rio Huacamayo; 1 ♀ La Oroya.

349. *Tessellarctia semivaria* (Walk.).

1 ♂ Rio Grande do Sul; 1 ♂ Minas Geraës; 1 ♂ ?; 2 ♂♂ Preto, Minas Geraës.

350. *T. distincta* Rothsch.

6 ♂♂ Fonte Boa.

351. *T. ursina* (Schaus).

2 ♀♀ Brazil; 1 ♀ Rio de Janeiro.

352. *T. cinerascens* (Walk.).

1 ♂ Corcovado; 3 ♀♀ Rio de Janeiro; 1 ♂ Minas Geraës.

353. *Pachydota iodea* (Herr.-Schaeff.).

2 ♂♂ British Guiana; 1 ♀ Newcastle, Jamaica.

354. *P. ducasa* (Schaus).

1 ♂ Merida, Venezuela.

355. *P. drucei* Rothsch.

1 ♂ New Grenada (Felder coll.); 2 ♂♂ Jalapa.

356. *P. affinis* Rothsch.

1 ♂ Popayan; 1 ♀ Merida.

357. *P. peruviana peruviana* Rothsch.

10 ♂♂, 2 ♀♀ Santo Domingo; 1 ♂ La Oroya; 1 ♂ Tiuguri; 1 ♂ Ocouneque.

357A. *P. peruviana palmeri* subsp. nov.

♂. Differs from that of *per. peruviana* in being larger and having the hyaline whitish area of the hindwings occupying almost the whole of the wings nearly to the cilia.

♀. Differs in having the hindwings entirely dark brown with no hyaline area.

Hab. 1 ♂, 2 ♀♀ San Antonio, West Colombia (Palmer).

358. *P. punctata* Rothsch.

2 ♂♂, 1 ♀ Aroewarwa Creek; 2 ♀♀ La Vuelta; 1 ♂, 9 ♀♀ La Union, Caura; 1 ♂ Dominica; 3 ♂♂ Paramba; 1 ♂ Palma Sola, Venezuela; 1 ♀ Bulim; 1 ♀ Rio Cayapas.

359. *P. rosenbergi* Rothsch.

1 ♂ Paramba.

360. *P. albiceps* (Walk.).

1 ♀ Aroewarwa Creek; 1 ♀ Potaro; 1 ♀ Caracas, Venezuela.

361. *P. nervosa* (Feld.).

1 ♀ Bogota, type (Felder coll.); 12 ♂♂, 5 ♀♀ Santo Domingo; 4 ♀♀ Huancabamba; 3 ♀♀ Merida; 2 ♂♂, 1 ♀ Paramba; 7 ♂♂ La Oroya; 1 ♀ Chulnmani, Bolivia; 1 ♂ Rio Mexiello, Department Loreto, June to December 1900 (G. A. Baer); 2 ♂♂, 2 ♀♀ Chanchamayo; 1 ♀ Rio Colorado; 1 ♀ Rio Tanampayo.

362. *P. striata* (Dogn.).

11 ♂♂, 4 ♀♀ Santo Domingo; 1 ♂ Brazil; 2 ♂♂ Bogota; 1 ♂, 1 ♀ Huancabamba.

363. *Carathis palpalis* (Walk.).

1 ♂ Jamaica.

364. *Carathis klagesi* Rothsch.

7 ♂♂, 2 ♀♀ Fonte Boa.

365. *C. australis* Rothsch.

1 ♀ Sta. Catharina.

366. *C. byblis* (Schaus).

2 ♂♂, 1 ♀ La Vuelta; 12 ♂♂, 7 ♀♀ La Union, Canra; 1 ♂ Maripa; 1 ♀ Coreovado.

367. *C. gortynoides* Grote.

1 ♂ Cuba (Felder coll.).

368. *C. ockendeni* Rothsch.

1 ♂ Santo Domingo.

369. *C. affinis* Rothsch.

1 ♂ Oconeque.

370. *Nezula grisea* Schaus.

2 ♂♂, 1 ♀ Aroewarwa Creek; 1 ♂ Fonte Boa; 1 ♀ Paramaribo, January 1892 (C. W. Ellacombe); 1 ♀ Salidero; 1 ♀ Rio Cayapas.

371. *Dialeucias pallidistriata* Hamps.

6 ♂♂, 5 ♀♀ Fonte Boa; 1 ♂ Santo Antonio do Javary; 1 ♂ Maripa; 1 ♂ La Union, Carabaya; 2 ♀♀ Aroewarwa Creek; 1 ♀ La Vuelta.

372. *Syntarctia oenone* (Butl.).

This is quite distinct from *testacea* Moeschler.

24 ♂♂, 15 ♀♀ Fonte Boa; 1 ♂ Itaituba to Obidos; 3 ♂♂ Manaos to Yutahi River (Maxwell Stuart); 2 ♂♂ Amazon River; 13 ♂♂, 4 ♀♀ Codajas; 1 ♂, 1 ♀ Santo Antonio do Javary; 1, Paramaribo; 1 ♀ Ciudad Bolivar, Venezuela (Klages); 1 ♀ 10 miles above Mapiiri (Maxwell Stnart); 1 ♀ San Jacinthe Valley, Theophilo Ottoni, Minas Geraes, 1907—1908 (F. Birch).

373. *S. testacea* Moeschl.

1 ♂ Paramaribo; 1 ♀ Caparo.

This is quite distinct from *oenone* Butl.

374. *S. fasciatus* Rothsch.

3 ♂♂ Fonte Boa.

375. *S. russus* Rothsch.

2 ♂♂, 2 ♀♀ Fonte Boa; 1 ♂ Codajas; 1 ♂ Santo Antonio do Javary; 1 ♂ Iquitos, 1893 (Maxwell Stuart).

376. *Baritius brunnea* Hamps.

3 ♂♂ Fonte Boa; 5 ♂♂, 1 ♀ Castro Parana; 1 ♂ Sapucay; 1 ♀?; 1 ♂ Parana, Entre Rios; 1 ♀ São Paulo; 1 ♀ Pozuzu; 2 ♀♀ Iquitos, 1893 (Maxwell Stuart).

377. *B. peculiaris* Rothsch.

1 ♂ Merida; 1 ♀ La Union, Carabaya.

378. *B. haemorrhoides* Schaus.

2 ♂♂ Tumatumari; 1 ♂ Rio Dagna; 1 ♂ Tuis, Costa Rica; 3 ♀♀ La Vuelta; 1 ♂, 4 ♀♀ Marija; 3 ♀♀ La Union, Cauca.

379. *B. superba* (Schaus).

1 ♀ Costa Rica (Underwood); 1 ♂, 1 ♀ Santo Domingo; 1 ♂ Orizaba; 2 ♂♂ Paramba; 5 ♂♂, 4 ♀♀ Merida; 2 ♂♂ Huancabamba; 1 ♂ Vera Cruz, Mexico; 1 ♂ Jalapa; 2 ♂♂, 1 ♀ La Oroya; 1 ♂ Palma Sola, Venezuela; 1 ♀ Asahar de Cartago; 1 ♂ Yungas de la Paz; 1 ♀ Huatuxeo; 1 ♂, 1 ♀ Caracas, Venezuela.

380. *B. cepiana* Drncee.

1 ♂, 1 ♀ San Antonio (Palmer).

381. *B. drucei* spec. nov.

♀. Forewing sooty greyish black, somewhat semihyaline on disc.—Hindwing paler; abdomen sooty black, banded laterally, and on last half slightly above, with rosy crimson.

Hab. Caracas, Venezuela.

1 ♀.

382. *B. marmorea* (Schaus).

1 ♂ Santo Domingo; 2 ♂♂ La Oroya.

383. *B. schausi* Rothsch.

1 ♂ Caparo; 1 ♂, 1 ♀ Fonte Boa; 2 ♂♂ La Vuelta; 1 ♀ Marija: 1 ♀ Allianca.

384. *B. venata* Rothsch.

1 ♀ Aroewarwa Creek; 11 ♂♂ Fonte Boa.

385. *B. eleuthera* (Stoll).

2 ♂♂ La Union, Carabaya; 1 ♂ Guadalite; 1 ♂ Santo Antonio do Javary; 1 ♀ Yungas de la Paz; 1 ♀ Aroewarwa Creek; 1 ♀ Tinguri.

386. *B. eleutheroides* Rothsch.

35 ♂♂, 3 ♀♀ Fonte Boa; 3 ♂♂, 1 ♀ Aroewarwa Creek; 1 ♀ Paramba; 1 ♂ Codajas; 1 ♂ La Union, Carabaya; 1 ♂ La Oroya; 1 ♀ Manaos to Yutahi River (Maxwell Stuart); 1 ♂ La Merced, Chanchamayo; 1 ♂ Amazon River (Meyer coll.).

387. *B. flavescens* Rothsch.

1 ♂ Fonte Boa.

388. *B. affinis* spec. nov.

♂. Similar to *B. flavescens*, but the abdomen is crimson and the forewing covered with a network of fine red-brown lines. There are on the forewing three dark brown patches on the costa, an interrupted dark brown subbasal transverse band;

a large dark brown postmedian and a smaller subapical patch, and a large patch of dark brown on inner margin.

Hab. Fonte Boa, Upper Amazons (Klages).

1 ♂

389. **B. sannionis sannionis** Rothsch.

14 ♂♂, 1 ♀ Fonte Boa.

389A. **B. sannionis grandis** Rothsch.

5 ♂♂, 1 ♀ La Oroya.

390. **Tricypha imperialis** Heyl.

1 ♂ La Oroya ; 1 ♂ Bulim ; 1 ♀ Salidero ; 1 ♀ La Union, Carabaya.

391. **T. furcata** Moeschl.

8 ♂♂, 7 ♀♀ Fonte Boa ; 4 ♀♀ Iquitos (Maxwell Stuart) ; 1 ♀ Codajas ; 1 ♀ Aroewarwa Creek ; 2 ♀♀ Allianca ; 1 ♀ Maripa.

392. **T. nigrescens** Rothsch.

Sapucay.

393. **Pelochyta bicolor** Rothsch.

1 ♀ Santo Domingo.

394. **P. nigrescens** (Dogn.).

2 ♂♂, 1 ♀ Pozuzu ; 6 ♂♂, 8 ♀♀ La Oroya ; 2 ♂♂, 3 ♀♀ Santo Domingo ; 1 ♂ Cajon, Cuzco ; 1 ♂, 1 ♀ Tinguri ; 1 ♂ Yungas de la Paz ; 1 ♂ Chiriqui, Panama ; 1 ♀ Rio Inambari.

395. **P. atra** Rothsch.

2 ♂♂, 1 ♀ La Oroya ; 2 ♂♂, 1 ♀ Santo Domingo ; 1 ♀ Cushi.

396. **P. brunnescens** Rothsch.

12 ♂♂ Santo Domingo ; 6 ♂♂ La Oroya ; 4 ♂♂ Oconeque ; 1 ♂ Pozuzu ; 1 ♂ Chiriqui ; 1 ♂ Merida ; 2 ♂♂, 1 ♀ S. Javier.

397. **P. cervina** (H. Edw.).

3 ♂♂, 2 ♀♀ Orizaba ; 1 ♀ Ciudad de Guatemala ; 1 ♀?.

398. **P. cinerea** (Walk.).

11 ♂♂, 6 ♀♀ La Oroya ; 23 ♂♂, 7 ♀♀ Santo Domingo ; 4 ♂♂, 5 ♀♀ Onaca, Sta. Marta ; 2 ♂♂ Oconeque ; 10 ♂♂ Castro, Parana ; 1 ♂ Pozuzu ; 5 ♂♂, 2 ♀♀, São Paulo ; 1 ♂ Rio Durango ; 1 ♂, 1 ♀ Sapucay ; 1 ♂, 1 ♀ La Union, Carabaya ; 2 ♂♂ Boquete, Chiriqui, 3500 ft. (Watson) ; 2 ♂♂ Venezuela ; 1 ♂, 1 ♀ Brazil, 1 ♂ Bogota (Felder coll.) ; 1 ♂, 1 ♀ Nova Friburgo ; 2 ♂♂ Huatuxco ; 7 ♂♂, 4 ♀♀ Paramba ; 3 ♂♂, 2 ♀♀ Petropolis ; 5 ♂♂, 4 ♀♀ Costa Rica (Underwood) ; 1 ♂ San José ; 3 ♂♂, 8 ♀♀ Merida ; 1 ♂ Quevedo ; 1 ♂ Upper Rio Toro, La Merced,

August-September 1901 (Simons); 1 ♀ Santa Catharina; 1 ♀ Rio Colorado, Peru; 1 ♀ Chanchamayo; 1 ♀ Espirito Santo, Brazil; 3 ♀♀ Chiriqui; 1 ♂, 3 ♀♀ Tuis, Costa Rica; 1 ♀ Rio Huacamayo; 1 ♀ Cachabi, December 1896 (Rosenberg); 1 ♂, 3 ♀♀ Colombia; 1 ♀ Rio Cayapas; 2 ♀♀ Tinguri; 1 ♀ Brazil; 1 ♂ Marcapata; 1 ♀ S. Javier; 2 ♂♂ Caracas, Venezuela.

399. *P. arontes* (Stoll).

24 ♂♂, 44 ♀♀ La Union, Caura; 1 ♂ La Vuelta; 2 ♂♂ Santo Domingo; 9 ♂♂, 10 ♀♀ Costa Rica (Underwood); 2 ♂♂, 1 ♀ Buenavista; 2 ♂♂, 3 ♀♀ Merida; 1 ♂, 2 ♀♀ Valencia, Venezuela; 1 ♂ Belmont, Port of Spain; 1 ♂, 2 ♀♀ Orizaba; 1 ♂, 1 ♀ Jalapa; 1 ♂, 2 ♀♀ Caparo; 1 Venezuela (Mocquerys); 1 ♂, 1 ♀ Guyapa, Caura; 1 ♂ San José; 2 ♂♂ Pozuzo; 1 ♂, 2 ♀♀ Sapucay; 2 ♀♀ Allianca; 1 ♀ Chiri-Mayo; 1 ♀ Palma Sola, Venezuela; 1 ♂, 2 ♀♀ Quevedo; 1 ♀ Aroewarwa Creek; 1 ♀ Chiriqui; 1 ♀ San Fernando, Trinidad; 1 ♀ Asahar de Cartago; 1 ♂ Carondelet, Ecuador; 1 ♂ S. Javier; 3 ♂♂, 3 ♀♀ Caracas, Venezuela.

400. *Elysius dryas* (Cram.).

Under this name two distinct species have been confused. A smaller, browner species with a whitish spot as stigma at end of cell, and generally in the ♂ with a narrow fuscous border to hindwing. This is the true *dryas*. A larger, blacker species with the stigma either almost absent or else large and surrounded with an irregular patch of white dots, and the hindwing with a broad fuscous border to the hindwing in the ♂ often occupying more than half the wing. This is my *omissus* (vide *infra*).

1 ♂ New Amsterdam; 1 ♀ Surinam, February 1892; 5 ♂♂, 6 ♀♀ Aroewarwa Creek; 3 ♂♂?; 1 ♂ Trinidad (F. Birch); 1 ♂ Suno, Upper Rio Napo, May 1899 (W. Goodfellow); 1 ♂ on board steamer, Manicupurei to Tefé, April 1906 (S. M. Klages); 16 ♂♂, 20 ♀♀ La Union, Caura; 2 ♂♂ Guyapa, Caura; 1 ♂ Fonte Boa.

401. *E. pseudodryas* Rothsch.

1 ♂ (Type) La Oroya; 1 ♂ Pozuzo; 1 ♂ Chanchamayo; 1 ♂, 1 ♀ Sta. Catharina.

402. *E. omissus* spec. nov.

♂. Pectus crimson; legs, antennae, head, and palpi dark blackish brown; collar and base of tegulae crimson; thorax, patagia, and rest of tegulae black-brown; abdomen above orange with lateral rows of black spots, last segment brown-black.—Forewing black-brown, irrorated with yellowish along costa and nervures; hindwing orange-buff, semihyaline, orange on inner area, with a broad fuscous brown outer border, reaching from base of costa over termen almost to the tornns.

♀. Similar, but more brown, and with pectus and collar orange.

Length of forewing: ♂ 33 mm., ♀ 33 mm.

Same as *dryas*.

Hab. 1 ♂ (Type) Oxapampa, N. Peru; 10 ♂♂ La Oroya; 5 ♂♂ Huancabamba; 1 ♂ Rio Huacamayo; 7 ♂♂ Santo Domingo; 1 ♂ Tinguri; 2 ♂♂, 1 ♀ Chanchamayo; 2 ♂♂ Pozuzo; 2 ♀♀ Popayan (Lehmann); 1 ♂, 1 ♀ Quevedo, W. Ecuador; 1 ♂ Calama, Rio Madeira; 1 ♂ Comanche, Cundinamarca; 1 ♂ Yungas de Coroico,

Bolivia (Garlepp); 15 ♂♂, 1 ♀ La Union, Caura; 1 ♂ Guyapa, Caura; 3 ♂♂ Aroewarwa Creek; 1 ♂ Rio Wanks; 2 ♂♂ Costa Rica (Underwood); 1 ♂ Asahar de Cartago; 9 ♂♂ Fonte Boa; 1 ♂ Santo Antonio do Javary; 1 ♂, 1 ♀ Buenavista; 1 ♀ Chimate, Bolivia; 2 ♂♂ Salampione; 1 ♂ San Ernesto.

403. *E. terranea* Rothsch.

1 ♂ La Oroya.

404. *E. pallidicosta* Walk.

13 ♂♂, 2 ♀♀ Santo Domingo; 2 ♂♂, 1 ♀ Oconeque; 1 ♂ Cuzco, Peru, April 1907 (Garlepp); 3 ♂♂ La Oroya; 2 ♀♀ Rio Tanampaya, Bolivia, 1894 (Garlepp).

405. *E. lavinea* Druce.

9 ♂♂, 2 ♀♀ Agualani; 2 ♂♂ Limbani.

406. *E. carbonarius* Dogn.

1 ♂ Santo Domingo; 1 ♂ La Oroya; 3 ♂♂, 1 ♀ Huancabamba; 2 ♀♀ Oconeque.

407. *E. fuliginosus* Rothsch.

1 ♂, 1 ♀ Huancabamba; 1 ♂ Santo Domingo; 1 ♂ Rio Tanampaya; 1 ♀ Oxapampa, N. Peru; 1 ♂ El Porvenir, E. Peru, 900 m., April 1908.

408. *E. hades* Druce.

3 ♂♂, 1 ♀ La Oroya; 4 ♂♂, 3 ♀♀ Santo Domingo.

409. *E. superba superba* Druce.

11 ♂♂, 11 ♀♀ Costa Rica (Underwood); 2 ♂♂, 3 ♀♀ Orizaba; 2 ♂♂, 2 ♀♀ Merida; 3 ♂♂ San José, Costa Rica; 2 ♂♂ Jalapa; 1 ♂ British Guiana (Whitford); 1 Huatuxco, Vera Cruz; 1 ♂, 1 ♀ Tuis, Costa Rica; 2 ♀♀ Carreblanco, Costa Rica (Lanckester); 2 ♀♀ Asahar de Cartago; 1 San José; 2 Venezuela (Felder coll.).

409A. *E. superba hampsoni* Dogn.

This is only the Ecuadorian and Peruvian subspecies of *superba*.

14 ♂♂, 1 ♀ La Oroya; 1 ♂ ? (Felder coll.); 10 ♂♂, 8 ♀♀ Santo Domingo; 5 ♂♂, 1 ♀ Tinguri; 1 ♀ Lita, Ecuador (Flemming); 1 ♀ Chiri-Mayo.

410. *E. francki* Schaus.

3 ♂♂, 2 ♀♀ Castro Parana; 3 ♂♂, 4 ♀♀ Ciudad de Tucuman (Monetti); 4 ♂♂, 2 ♀♀ Tucuman (Steinbach); 1 ♂ Nova Friburgo (Peters); 1 ♂ Salta; 2 ♂♂, 1 ♀ Minas Geraes; 1 ♂ Reyes (Stuart); 1 ♂ Rio Songo (Garlepp); 3 ♂♂ Huancabamba; 1 ♂ Goyaz town, January 1906 (G. A. Baer); 1 ♂ Yungas de la Paz (Garlepp); 1 ♂, 1 ♀ Sapucay; 1 ♀ Patino Cué; 1 ♂ Province Rio; 1 ♀ ?; 3 ♀♀ Province Tucuman, Argentina (Baer); 2 ♂♂, 2 ♀♀ Caracas, Venezuela.

411. **E. ochrota** Hamps.

3 ♂♂ Oeoneque; 1 ♂ Huacabamba; 2 ♂♂ Santo Domingo; 1 ♂ San Antonio, West Colombia, December 1907 (M. G. Palmer).

412. **E. magnifica** Rothsch.

4 ♂♂ Tinguri; 2 ♂♂ La Oroya.

413. **E. cingulata** Walk.

1 ♀ Sta. Catharina.

414. **E. conjunctus** spec. nov.

Differs from *consersa* in having the basal and median patches of forewing joined into one large patch and in the hindwing of the male being hyaline buff washed with rose, and in the female buffy brown washed with rose.

Hab. 1 ♂ Sta. Catharina; 1 ♀ Maripa, Caura.

415. **E. consersa** Walk.

1 ♂ Caracas, Venezuela; 1 ♂ Rio Demerara; 1 ♂ Maripa, Caura; 1 ♂ Popayan (Lehmann); 1 ♂ Yungas de Coroico (Garlepp); 1 ♀ Reyes (Stuart); 2 ♀♀ La Vuelta; 2 ♀♀ La Union, Caura; 1 ♀ ?; 1 ♀ Chanchamayo; 1 ♀ Sapucay; 1 ♀ Paramba, Ecuador; 1 ♀ Sta. Catharina; 1 ♀ La Oroya.

416. **E. sebrus** Druce.

12 ♂♂ Chanchamayo; 2 ♂♂ Rio Colorado; 1 ♀ Buenavista; 2 ♀♀ Santo Domingo.

417. **E. hermia** Cram.

8 ♂♂ Aroewarwa Creek; 1 ♂ ?; 3 ♂♂ Colombia (Felder coll.); 10 ♂♂ Allianca; 14 ♂♂ La Union, Caura; 3 ♂♂, 1 ♀ La Vuelta; 1 ♂ La Union, Carabaya; 2 ♂♂ Maripa; 1 ♀ British Guiana; 1 ♀ Essequibo River, British Guiana, 140 miles inland; 1 ♀ Itaituba to Obidos; 1 ♂ yellow aberration, S. America (Meyer coll.).

418. **E. pyrosticta** Hamps.

2 ♂♂, 1 ♀ Province Rio; 2 ♂♂ Rio de Janeiro; 1 ♂, 2 ♀♀ São Paulo; 1 ♂ Sapucay.

419. **E. ammeloides** Rothsch.

3 ♂♂ Rio Huacamayo; 5 ♂♂ Fonte Boa.

420. **E. proba** Schaus.

5 ♂♂, 6 ♀♀ Cuernavaca; 2 ♂♂, 2 ♀♀ Guadalajara; 1 ♂ Mexico.

421. **E. atrobrunnea** Rothsch.

1 ♂, 1 ♀ Merida (Briceño).

422. *E. atrata* Feld.

9 ♂♂, 1 ♀ Agnalani; 1 ♂ Tinguri; 3 ♂♂ Huancabamba; 1 ♂ Bogotá town, December 15, 1898; 1 ♂ Rio Tanampaya (Garlepp); 1 ♂ Oconeque; 1 ♂ Cushi; 1 ♂ Limbaní; 1 ♂ (Type) Bogotá (Felder coll.).

423. *E. terra* Druce.

1 ♂ Huancabamba; 1 ♀ Charaplaya, Bolivia, 1500 m., May 1901 (Simons); 1 ♂ Cushi.

424. *E. felderi* Rothsch.

4 ♂♂ Oconeque.

425. *E. terraoides* Rothsch.

1 ♂ Huancabamba; 1 ♀ Charaplaya; 1 ♀ Peru.

426. *E. chimaera* Druce.

5 ♂♂, 4 ♀♀ Sapneay; 1 ♀ Paraguay (fide Fruhstorfer); 1 ♀ Yhu, Paraguay, December 1896 (Audeer); 1 ♀ S. Cruz de La Sierra; 1 ♀ ?; 1 ♀ Patino-Cué.

427. *E. umber* (Cram.).

1 ♂ Jimenez, W. Colombia, 1600 ft., July 1907.

428. *E. immanis* (H. Edwds.).

1 ♀ Santo Domingo.

429. *E. insulsa* Dogn.

1 ♀ Chiriqui.

430. *E. affinis* (Rothsch.).

When I described this species I put it in the genus *Pelochyta*, but it rightly belongs here.

2 ♂♂ Lita, Ecuador (Flemming); 2 ♀♀ Paramba, Ecuador.

431. *E. rosenbergi* spec. nov.

♂. Allied to *tricyphoides* Rothsch. but larger and paler. Head buff; pectus and thorax clay-brown; abdomen above darker clay-brown, yellowish buff on sides of last three segments.—Forewings clay-brown with an antemedian, postmedian, and subterminal transverse band of darker brown.—Hindwing greyish clay-brown.

Hab. Paramba, West Ecuador (Rosenberg).

1 .

432. *E. pseudotricypha* Rothsch.

2 ♀♀ Fonte Boa; 2 ♂♂ La Oroya.

433. *E. tricyphoides* Rothsch.

1 ♂ Aroewarwa Creek; 1 ♂ Christianaburg, Demerara.

434. *E. disciplaga* Walk.

1 ♂, 1 ♀ Brazil; 6 ♂♂ Chanchamayo; 8 ♂♂ Paramba; 5 ♂♂, 1 ♀ Pozuzu; 2 ♂♂, 4 ♀♀ Orizaba; 1 ♂ Lita, Ecuador; 1 ♂ Cajon, Cuzco (Garlepp); 1 ♀ Yungas de la Paz; 4 ♀♀? (Felder coll.); 1 ♀ Rio de Janeiro (Felder coll.); 1 ♂, 1 ♀ Valencia, Venezuela; 1 ♀ Venezuela (Mocquerys); 1 ♂, 1 ♀ Rio Dagna; 1 ♀ Bulim, N.W. Ecuador; 2 ♀♀ Carondelet, Ecuador; 2 ♀♀ Costa Rica (Underwood); 1 ♂, 2 ♀♀ Quevedo, Ecuador; 1 ♂ Vera Cruz, Mexico; 1 ♂, 1 ♀ Caracas, Venezuela.

435. *E. jonesi* spec. nov.

♂. Frons lower half yellow; upper half of frons, legs, pectus, head, thorax, and forewings, earthy brown; abdomen yellow central and lateral rows of black dots. Hindwing semihyaline whitish brown.

Hab. São Paulo.

436. *E. phantasma phantasma* Schaus.

3 ♂♂, 1 ♀ Aroewarwa Creek.

436a. *E. phantasma intensus* subsp. nov.

♂. Similar to *ph. phantasma*, but darker, and with a black dot on centre of vertex.

Hab. Fonte Boa.

3 ♂♂.

437. *E. melanoplaga* Hamps.

2 ♂♂ Oconeque; 3 ♂♂ Santo Domingo; 1 ♂ Tinguri; 1 ♀ Chiriqui, Pauama.

438. *E. flavicosta* Druce.

5 ♂♂, 1 ♀ La Oroya; 4 ♂♂, 1 ♀ Santo Domingo; 4 ♂♂ Rio Huacamayo; 1 ♀ Tinguri.

439. *E. atriceps* Hamps.

17 ♂♂, 2 ♀♀ Santo Domingo; 2 ♂♂ Oconeque; 4 ♂♂ Rio Huacamayo; 1 ♂ Popayan, Lehmann.

440. *E. castanea* Rothsch.

4 ♂♂ Rio Huacamayo.

441. *E. deceptura* (Druce).

9 ♂♂, 2 ♀♀ Oconeque; 18 ♂♂, 3 ♀♀ Santo Domingo; 2 ♂♂ Limbani; 3 ♂♂, 2 ♀♀ Agualani; 1 ♀ La Oroya.

442. *E. bicolor* (Maass.).

1 ♂ Riobamba, Ecuador, 2800 m., March 1899 (Simmons); 1 ♀ Pisco, Peru (Hoffmanns).

443. *E. lehmanni* spec. nov.

♂. Similar to *bicolor* but with shorter and broader wings. Head, thorax, and abdomen black-brown; antennae red-brown. Forewing pale chocolate brown; hindwing white.

Hab. Popayan (Lehmann).

1 ♂.

444. *Ischnocampa nigradorsata* Schaus.

3 ♂♂, 1 ♀ Tucuman (J. Steinbach); 2 ♂♂, Tucuman, 1100 m., January and February 1905 (J. Steinbach).

445. *I. nigrivena* Schaus.

2 ♂♂ Santo Domingo; 3 ♂♂ Tinguri; 1 ♂ Oconeque; 1 ♀ Rio Songo; 1 ♀ Yungas de Coroico.

446. *I. mamona* (Dogn.).

1 ♂ La Oroya.

447. *I. hemihyala* Hamps.

3 ♂♂, 3 ♀♀ Agnalani; 5 ♂♂ Oconeque; 5 ♂♂ Limbani; 1 ♂ Huanca-bamba; 1 ♀ Rio Huacamayo.

448. *I. nubilosa* (Dogn.).

1 ♂, 3 ♀♀ Limbani; 4 ♂♂ Oconeque; 1 ♂, 2 ♀♀ Agnalani.

449. *I. sordida* Feld.

1 ♂ Cushi; 1 ♀ (type) Bogotá (Felder coll.).

450. *I. sordidior* Rothsch.

1 ♂, 1 ♀ La Oroya; 3 ♂♂ Oconeque; 2 ♂♂ La Union, Canra; 20 ♂♂, 1 ♀ Santo Domingo.

451. *I. floccosa* Rothsch.

4 ♂♂, 1 ♀ La Oroya; 2 ♂♂ Santo Domingo.

452. *I. discopunctata* Hamps.

28 ♂♂, 2 ♀♀ Santo Domingo; 4 ♂♂, 1 ♀ Oconeque.

453. *I. griseola* Rothsch.

1 ♂ Newcastle, Jamaica.

454. *I. lugubris* Schaus.

1 ♂, 1 ♀ Sta. Catharina; 2 ♂♂ Huatuxco, Vera Cruz; 1 ♂, 2 ♀♀ Merida; 2 ♂♂ La Oroya; 2 ♂♂ Costa Rica (Underwood); 2 ♂♂ Cushi; 1 ♂, 1 ♀ Chiriqui, Panama; 2 ♂♂, 4 ♀♀ Santo Domingo.

455. *I. brunneitincta* Rothsch.

1 ♂ Oconeque; 1 ♂ Cushi; 1 ♀ Santo Domingo; 1 ♂, 2 ♀♀ Sau Antonio.

456. *I. tristis* Schaus.

1 ♂ Venezuela; 2 ♂♂?; 3 ♂♂, 3 ♀♀ Orizaba; 2 ♀♀ Huatuxco, Vera Cruz; 1 ♂ Chiriqui.

457. *I. mundator* Druce.

3 ♂♂ Chiriqui, Panama.

458. *Opharus ferruginea* Walk.

1 ♂ Santa Fé de Bogotá.

459. *O. rhodosoma* Bntl.

2 ♂♂ Venezuela; 2 ♂♂, 1 ♀ Merida; 1 ♂ Brazil?!; 1 ♂ Santo Domingo.

460. *O. aurantiacus* Rothsch.

1 ♂ Chanchamayo January–July 1901 (Hoffmanns).

461. *O. basalis* Walk.

1 ♂, 1 ♀? (Felder coll.); 1 ♂ Colombia (Felder coll.); 1 ♀ Central America (Felder coll.); 2 ♂♂ Minas Gerais; 1 ♂ Province Rio; 1 ♂?; 2 ♂♂ San Ernesto; 1 ♂ Salampioni; 5 ♂♂ Petropolis; 1 ♂ Cuzco, Peru; 1 ♂ Buenavista; 1 ♂ Santo Domingo; 1 ♂, 1 ♀ Merida; 1 ♂, 1 ♀ Castro, Parana; 2 ♂♂ Rio de Janeiro; 1 ♀ La Oroya; 3 ♂♂, 1 ♀ Sapucay; 1 ♂ Cucuta, Venezuela; 1 ♀ Chulumani, Bolivia; 1 ♂ Yuugas de Coroica; 2 ♂♂ Rio Songo; 2 ♂♂ Huanca-bamba; 1 ♂ Brazil.

462. *O. bimaculata bimaculata* (Dew.).

1 ♂, 1 ♀ Costa Rica (Underwood); 2 ♂♂, 1 ♀ Orizaba; 1 ♂, 1 ♀ Tuis; 1 ♀ San José; 1 ♂ Jinotega, Nicaragua, 3400 feet, October 1905 (G. M. Palmer); 1 ♀ S. Javier.

462A. *O. bimaculata major* subsp. nov.

♀. Differs from *O. b. bimaculata* in its larger size, more orange less yellow abdominal patches, in the forewings being sooty black, **not** fuscous brown, and in the hindwings being semihyaline sooty black, **not** semihyaline white.

Hab. Caracas, Venezuela.

2 ♀♀.

463. *O. consimilis* Hamps.

1 ♂, 1 ♀ Santo Domingo; 4 ♂♂, 2 ♀♀ Orizaba; 2 ♂♂, 2 ♀♀ San José; 1 ♂, 2 ♀♀ Costa Rica (Underwood); 1 ♀ Huatuxco, Vera Cruz; 2 ♀♀ Tuis, Costa Rica.

464. *O. procroides* Walk.

1 ♂ Quevedo; 1 ♀ Minas Geraüs; 1 ♀ Rio Janeiro; 1 ♂, 4 ♀♀ Santo Domingo; 1 ♂, 3 ♀♀ Merida; 2 ♂♂, 2 ♀♀ Castro, Parana; 1 ♂ La Oroya; 4 ♀♀ ? (Felder coll.); 1 ♂ Marcapata, E. Peru, 4500 ft.; 1 ♂, 1 ♀ Pozuzu; 1 ♀ Chanchamayo; 1 ♀ Upper Rio Toro, La Merced; 1 ♀ Oconeque; 1 ♀ Nova Friborgo; 1 ♂, 1 ♀ Caracas, Venezuela.

465. *O. almopia* (Druce).

3 ♂♂, 2 ♀♀ Santo Domingo; 1 ♂ La Oroya; 2 ♂♂ Agualani; 1 ♂, 1 ♀ Oconeque; 1 ♀ Rio Huacamayo; 2 ♀♀ Limbani; 1 ♂ San Antonio, W. Colombia.

466. *O. elota* Möschl.

2 ♀♀ Newcastle, Jamaica; 4 ♀♀ Jamaica; 1 ♂ Jamaica (Taylor).

467. *O. laudia* (Druce).

7 ♂♂, 1 ♀ Merida (Briceño); 1 ♀ Merida (Hahnel).

468. *O. thalassina* (Herr.-Schaeff.).

5 ♂♂, 1 ♀ Merida; 1 ♂, 1 ♀ Colombia; 2 ♂♂, 3 ♀♀ Bogotá; 1 ♂ ?; 1 ♂ Mari-Lopez, Nicaragua, 5000 ft., October 1905 (M. G. Palmer); 2 ♀♀ ? (Felder coll.); 1 ♀ Port of Spain, May 29, 1897 (Dr. Bürger).

469. *O. intermedia* Rothsch.

1 ♀ ? (Felder coll.).

470. *O. flavimaculata* Hamps.

1 ♂ Yungas de la Paz; 1 ♂ Chanchamayo; 1 ♂ Santo Domingo; 1 ♀ Rio Sincuri; 3 ♂♂, 2 ♀♀ Tinguri.

471. *O. piperita* (Herr.-Schaeff.).

9 ♂♂, 3 ♀♀ Santo Domingo; 1 ♂, 1 ♀ Oconeque; 1 ♂ Chiriqui, Panama; 1 ♂ La Oroya; 1 ♀ Rio de Janeiro; 1 ♀ Pozuzu; 1 ♀ Tinguri.

472. *O. decrepida* (Herr.-Schaeff.).

1 ♂ Surium (Felder coll.); 2 ♂♂, 5 ♀♀ Santo Domingo; 4 ♂♂, 2 ♀♀ Agualani; 4 ♂♂, 2 ♀♀ Oconeque; 1 ♂ La Oroya; 2 ♀♀ Cushi; 1 ♀ Rio Tanampaya; 2 ♀♀ ? (Felder coll.).

473. *O. decrepidioides* Rothsch.

4 ♂♂ San Antonio, W. Colombia; 1 ♀ Marcapata, E. Peru, 4500 feet; 1 ♀ Santo Domingo (Type).

474. *O. hamptoni* Rothsch.

11 ♂♂, 4 ♀♀ La Oroya; 25 ♂♂, 10 ♀♀ Santo Domingo; 1 ♂ Chiri-Mayo; 1 ♂ La Union, Caura; 1 ♂ Tinguri.

475. *O. sestia* Druce.

4 ♂♂ La Oroya ; 2 ♂♂ Oconeque ; 2 ♂♂ Santo Domingo ; 1 ♂ La Union, Carabaya ; 4 ♂♂ Rio Huacamayo.

476. *O. histrionica* (Herr.-Schaeff.).

2 ♂♂, 3 ♀♀? (Felder coll.); 1 ♂? ; 1 ♂, 3 ♀♀ Rio de Janeiro ; 1 ♀ Brazil ; 1 ♂, 1 ♀ Minas Geraës.

477. *O. schaefferi* Schaus.

3 ♀♀ Sta. Catharina.

478. *O. chorinna* Schaus.

1 ♀ Rio Grande do Sul.

479. *O. flavipunctata* (Herr.-Schaeff.).

3 ♂♂? (Felder coll.); 1 ♀ Rio de Janeiro.

480. *O. depicta* (Herr.-Schaeff.).

1 ♂ Nova Friburgo ; 1 ♀ Rio de Janeiro ; 2 ♀♀? (Felder coll.).

481. *O. punctularis* (Herr.-Schaeff.).

1 ♂ Brazil ; 2 ♂♂, 2 ♀♀? (Felder coll.) (1 ♀ marked Venezuela!!).

This species has been united by Sir George Hampson with *nexa*, but they are quite distinct, as is easily seen when **both** sexes of each are compared.

482. *O. nexa* (Herr.-Schaeff.).

2 ♂♂ Brazil ; 1 ♂, 2 ♀♀? (Felder coll.), 1 ♂, 3 ♀♀ Rio de Janeiro ; 1 ♀ Nova Friburgo.

483. *O. astur astur* (Cram.).

28 ♂♂, 43 ♀♀ Patino-Cué, Paragnay (Monforts) ; 1 ♂, 1 ♀ Paraguay (Dr. Bohls) ; 1 ♂, 2 ♀♀ Sapucay ; 1 ♂ Prov. Sara, Sta. Cruz de la Sierra, January 1904 (J. Steinbach) ; 1 ♂ Salta ; 6 ♂♂, 3 ♀♀ Tucuman (J. Steinbach) ; 1 ♂, 2 ♀♀ Argentina, Prov. Tucuman (G. A. Baer) ; 1 ♂, 1 ♀ Ciudad de Tucuman (Dinelli) ; 1 ♂, 5 ♀♀ Ciudad de Tucuman (Monetti) ; 4 ♂♂, 2 ♀♀ Castro, Parana ; 1 ♀ Elsenau, Rio Grande do Sul (Dr. Martin) ; 2 ♂♂, 2 ♀♀ Nova Friburgo ; 1 ♀ Codajas ; 2 ♂♂, 5 ♀♀ Allianca ; 1 ♀ Calama ; 1 ♂? ; 2 ♂♂, 5 ♂♂? (Felder coll.) ; 2 ♀♀ Minas Geraës ; 1 ♂, 1 ♀ Brazil ; 19 ♂♂, 48 ♀♀ La Union, Cauca ; 2 ♀♀ La Vuelta ; 1 ♂ Carupano, December 1891 (C. W. Ellacombe) ; 1 ♂ Aroewarwa Creek ; 1 ♀ Rio Demerara ; 1 ♂ Cuncuta, Venezuela ; 3 ♂♂, 3 ♀♀ Merida ; 1 ♂, 1 ♀ Caracas, Venezuela ; 1 ♂, 3 ♀♀ Onaca, Sta. Marta ; 1 ♂, 2 ♀♀ Santa Rita, Cauca River (Paine & Brinkley) ; 2 ♂♂, 3 ♀♀ Quevedo ; 2 ♂♂, 7 ♀♀ Santo Domingo ; 2 ♂♂ Bnenavista ; 1 ♀ Santa Cruz de la Sierra ; 1 ♂ Ciudad de Guatemala ; 3 ♀♀ Costa Rica (Underwood) ; 1 ♂ Chiriqui ; 3 ♂♂, 3 ♀♀ Orizaba ; 1 ♂, 1 ♀ Jalapa ; 1 ♂ Vera Cruz, Mexico.

483A. *O. astur cubensis* Rothsch.

2 ♂♂, 2 ♀♀ Cuba.

483B. *O. astur arizonensis* Rothsch.

2 ♂♂, 1 ♀ Huachuca Mts., Arizona (Oslar).

484. *O. fasciatus* Rothsch.

1 ♀ Valencia, Venezuela.

485. *O. polystrigata* Hamps.

1 ♂ Cushi; 3 ♂♂, 5 ♀♀ Santo Domingo; 1 ♀ Chiri-Mayo; 1 ♀ Agualani.

486. *O. albescens* Rothsch.

7 ♂♂, 7 ♀♀ La Vuelta; 1 ♂, 1 ♀ Aroewarwa Creek; 1 ♂, 2 ♀♀ Maripa, Caura River; 1 ♀ La Union, Caura.

487. *O. albotestaceus* Rothsch.

1 ♀ Maripa, Caura River.

488. *Hemihyalea ergana* (Dogn.).

9 ♂♂, 10 ♀♀ Agualani; 1 ♀ Rio Huacamayo; 2 ♀♀ Limbani; 1 ♀ Tinguri.

489. *H. peruviana* Rothsch.

2 ♂♂ Agualani.

490. *H. fusca fusca* Rothsch.

2 ♂♂ Agualani.

490A. *H. fusca colombiana* subsp. nov.

Differs from *f. fusca* in having the head, thorax, and margins of wings paler.
Hab. Bogotá.

5 ♂♂, 1 ♀.

491. *H. brunnescens* Rothsch.

4 ♂♂ Agualani; 1 ♂ Bogotá; 1 ♂ Tinguri; 1 ♂ Limbani.

492. *H. tristis* Rothsch.

1 ♀ Agualani; 1 ♂ Bogotá.

493. *H. cornea* (Herr.-Schaeff.).

Here Sir George Hampson has mixed up a number of forms. *H. mansueta* H. Edwds. and *rhodu* Druce are quite distinct, as are several that I have named.

1 ♂, 2 ♀♀ (Felder coll.); 1 ♀?.

494. *H. fuscescens* Rothsch.

2 ♀♀ Costa Rica (Underwood); 1 ♂ Asahar de Cartago.

495. *H. argillacea* Rothsch.

1 ♂ Gold Hill, Oregon; 1 ♂? 1 ♀ Ciudad de Guatemala.

496. *H. mansueta* H. Edwds.

3 ♂♂, 3 ♀♀ Orizaba; 1 ♂ Jalapa; 1 ♂, 1 ♀ Bogotá; 1 ♂, 3 ♀♀ Bogotá (Child).

497. *H. battyi* Rothsch.

1 ♀ Palenka Island, Col., January 23, 1902 (J. H. Batty).

498. *H. brunnescens* Rothsch.

1 ♂ Agualani; 1 ♂ Tiuguri.

499. *H. rhoda* (Druce).

2 ♂♂, 1 ♀ Orizaba; 4 ♂♂ Jalapa; 1 ♀ Vera Cruz, Mexico.

500. *H. testacea* Rothsch.

1 ♂, 5 ♀♀ Jalapa; 1 ♂, 1 ♀ Ciudad de Guatemala; 1 ♂ Guadalajara.

501. *H. ochracea* Rothsch.

1 ♀ Vulcan de Chiriqui; 1 ♀ Jalapa.

502. *H. edwardsi* (Pack.).

2 ♂♂, 2 ♀♀ E. California; 1 ♂ California; 1 ♂, 1 ♀ California (Meyer coll.); 1 ♀ Gold Hill, Oregon, Sept. 12, 1900 (Biedermann); 1 ♂, 1 ♀? (Felder coll.) (labelled Bogota).

503. *H. labecula* Grote.

3 ♂♂, 7 ♀♀ Glenwood Springs, Colorado, June 1901 (Oslar); 1 ♂, 4 ♀♀ Durango, Col. (Oslar); 1 ♂, 1 ♀ Colorado; 1 ♂, 1 ♀ N. America; 5 ♀♀ Grand Junction, Col., 1901 (Oslar).

504. *H. utica* (Druce).

2 ♂♂ Orizaba.

505. *H. melas* (Dogn.).

1 ♀ Bogotá.

506. *H. xanthosticta* Hamps.

2 ♂♂, 3 ♀♀ Cayenne (Felder coll.); 10 ♂♂, 10 ♀♀ São Paulo; 1 ♂ Sta. Catharina; 3 ♀♀ Castro, Parana; 2 ♂♂, 3 ♀♀ Nova Friburgo; 1 ♀ Rio de Janeiro.

507. *H. diminuta* (Walk.).

1 ♂ Sta. Catharina.

508. *Pseudopharus amata* (Druce).

1 ♂ Merida ; 2 ♀♀ Santo Domingo.

509. *P. hades* (Dogn.).

2 ♂♂ Chiriqui ; 1 ♀ Volcano de Chiriqui.

510. *P. cornelia* (Druce).

1 ♂ Tinguri ; 1 ♀ La Oroya.

511. *P. domingona* (Druce).

2 ♂♂ Santo Domingo.

512. *Amastus adela* Schaus.

6 ♂♂ Castro, Parana.

513. *A. baucis* Dalm.

2 ♂♂ ? (Felder coll.).

514. *A. albipuncta* Hamps.

7 ♂♂, 10 ♀♀ Santo Domingo ; 1 ♀ Huancabamba ; 1 ♀ Venezuela (Felder coll.); 1 ♀ Oconeque ; 1 ♂ Upper Rio Toro (crippled and with no transverse dark markings on forewing).

515. *A. affinis* Rothsch.

5 ♂♂, 2 ♀♀ Santo Domingo ; 5 ♂♂ Oconeque ; 1 ♀ Tinguri ; 1 ♂, 1 ♀ Agualani ; 1 ♀ Chiri-Mayo ; 1 ♂ Zamora, Ecuador, 3000-4000 ft. (O. T. Baron).

516. *A. flavicauda* Rothsch.

4 ♂♂ Chiriqui ; 2 ♂♂, 6 ♀♀ Volcano de Chiriqui ; 1 Bogava, Chiriqui.

517. *A. suffusa* (Herr.-Schaeff.).

1 ♂, 2 ♀♀ ? (Felder coll.) cotypes.

518. *A. hampsoni* Rothsch.

1 ♂ Paramba, Ecuador.

519. *A. ambrosia* (Druce).

1 ♂, 1 ♀ Santa Fé de Bogotá.

520. *A. mesorrhoda* Walk.

2 ♂♂, 1 ♀ Bogotá.

521. *A. pseuderebella* Rothsch.

1 ♂, 7 ♀♀ Bogotá.

522. *A. erebelloides* Rothsch.

2 ♂♂ Agualani; 1 ♀ Limbani.

523. *A. erebella* (Maass.).

1 ♀ Limbani; 2 ♀♀ Agualani.

524. *A. rufator* (Walk.).

5 ♀♀ Bogotá.

525. *A. umber* Rothsch.

1 ♂, 4 ♀♀ Merida.

526. *A. pseudocollaris* Rothsch.

1 ♀ Chiriqui, Panama.

527. *A. collaris* (Herr.-Schaeff.).

11 ♂♂, 10 ♀♀ Merida; 9 ♂♂, 4 ♀♀ Santo Domingo; 3 ♂♂, 3 ♀♀ La Oroya; 4 ♀♀? (Felder coll.); 1 ♀ Bogota (Child); 2 ♂♂ San Antonio, W. Colombia; 1 ♀ Popayan (Lehmann).

528. *A. persimilis* Hamps.

1 ♂? (Felder coll.); 5 ♂♂ Oconeque; 2 ♂♂ Agualani; 1 ♂ La Oroya; 2 ♂♂ Santo Domingo; 1 ♀ Huancabamba.

529. *A. coccinator* Schaus.

10 ♂♂, 13 ♀♀ Santo Domingo; 3 ♂♂, 2 ♀♀ Oconeque; 1 ♂, 2 ♀♀ Agualani; 1 ♀ Chiri-Mayo; 2 ♀♀ Limbani; 1 ♀ R. Inambari; 1 ♀ La Oroya; 1 ♀ Tinguri; 1 ♀ Bogotá (Child) 1 ♂, 2 ♀♀ San Antonio, W. Colombia; 3 ♂♂, 3 ♀♀ Merida; 1 ♂ Venezuela (Felder coll.); 1 ♂ Rio Tanampaya.

530. *A. genoveva* (Dogn.).

4 ♂♂, 5 ♀♀ Merida.

531. *A. episcotosia* Dogn.

4 ♀♀ Chiriqui; 1 ♀ Asahar de Cartago.

532. *A. aconia* (Herr.-Schaeff.).

3 ♂♂, 2 ♀♀ Bogotá; 1 ♂ Rio Tanampayo; 1 ♂ Upper Rio Toro; 11 ♂♂, 13 ♀♀ Santo Domingo; 3 ♂♂, 5 ♀♀ Chanchamayo; 1 ♂ Caradoc, Marcapata, 4000 ft., February 1901 (Ockenden); 4 ♂♂, 8 ♀♀ La Oroya; 6 ♂♂, 4 ♀♀ Merida; 2 ♀♀ Popayan (Lehmann); 5 ♀♀ Oconeque; 1 ♀ Paramba, Ecuador; 1 ♀ Limbani; 2 ♀♀ Agualani; 1 ♀ Rio Mixiollo, Dept. Loreto, June—December 1900 (G. A. Baer); 1 ♀ Carabaya (Ockenden); 1 ♀ Tinguri; 1 ♀ La Merced, Chanchamayo; 1 ♂, 1 ♀ Caracas, Venezuela.

533. *A. rumina* Druce.

10 ♂♂, 16 ♀♀ Costa Rica (Underwood); 1 ♂, 2 ♀♀ Costa Rica, 1500 ft. (M. de Mathan); 1 ♂ Cartago; 3 ♂♂ San José; 2 ♀♀ Tuis, Costa Rica.

534. *A. coprophora* (Herr.-Schaeff.).

1 ♂ Colombia (Felder coll.); 1 ♀ Bogotá; 3 ♀♀ Merida; 2 ♂♂ San Antonio, W. Colombia.

535. *A. ochraceator* (Walk.).

3 ♂♂, 3 ♀♀ Orizaba (Schaus); 1 ♂, 1 ♀ Jalapa; 1 ♀ Rosary Mine, Spanish Honduras, 3000—4000 ft.; 1 ♀ Huatuxco, Vera Cruz, Mexico; 1 ♀ Mexico.

536. *A. elongata* (Feld.).

1 ♀ Cayenne, Type (Felder coll.); 1 ♂ São Paulo; 2 ♂♂, 3 ♀♀ Castro, Parana.

537. *A. polystrigata* Dogn.

4 ♂♂ La Oroya; 4 ♂♂, 3 ♀♀ Santo Domingo; 2 ♂♂, 3 ♀♀ Potaro; 1 ♂ Caracas, Venezuela.

538. *A. alsa* (Druce).

2 ♀♀ Agualani.

539. *A. drucei* Rothsch.

6 ♂♂, 1 ♀ Santo Domingo; 1 ♀ Oconeque.

540. *A. dognini* Rothsch.

2 ♂♂ Santo Domingo.

541. *A. rufescens* Rothsch.

2 ♂♂ Agualani; 1 ♂ Peru.

542. *A. minerva* (Dogn.).

4 ♂♂ Oconeque.

543. *A. antonio* Dogn.

6 ♂♂, 1 ♀ Tucuman 1100 m. (J. Steinbach); 1 ♀ Ciudad de Tucuman (Monetti).

544. *A. fulvizonata* Hamps.

1 ♂ Quito, Ecuador (W. Goodfellow); 5 ♂♂, 1 ♀ Limbani; 6 ♂♂, 2 ♀♀ Agualani; 1 ♂, 3 ♀♀ Bogotá; Bogotá specimens generally have the postmedian band pink, not yellow.

545. *A. steinbachi* Rothsch.

1 ♂, 2 ♀♀ Tucuman, 1100 m. (J. Steinbach).

546. *A. erganoides* Dogn.

This is the insect I described as *A. hyalina orientalis*, having wrongly identified what I am now describing as *H. fusca columbiana* (see above) as *erganoides*.

2 ♂♂, 6 ♀♀ Merida.

547. *A. hyalina* (Dogn.).

9 ♂♂, 6 ♀♀ Agualani; 2 ♂♂, 3 ♀♀ Santo Domingo; 1 ♂, 2 ♀♀ Limbani;
5 ♀♀ Oconeque.

548. *A. childi* Rothsch.

1 ♂ Bogotá (Child); 1 ♀ Popayan (Lehmann).

549. *A. palmeri* spec. nov.

Allied to *drucei* and *dognini* Rothsch.

♂. Pectus brilliant orange; palpi dark chestnut; legs and frons dark earth-brown; antennae black; vertex, collar and anterior half of tegulae rufous; basal half of tegulae and patagia dark earth-brown, the latter with a central rufous stripe; abdomen above bright orange. Forewing bright rufous chestnut, a lighter shade below costa postmedially; hindwing semihyaline brown slightly orange at base, and on inner area.

Length of forewing: 31 mm.

Hab. San Antonio, W. Colombia, 5800 ft., December 1907 (M. G. Palmer).

1 ♂.

550. *A. rosenbergi* spec. nov.

Allied to *flavicauda* Rothsch.

♀. Pectus earth-brown; antennae fuscous; palpi fuscous; head earth-brown; collar crimson; thorax dark brown, patagia with central blackish stripe and greyish tips; abdomen above rosy crimson, last three segments yellow. Forewing cinnamon rufous, a subbasal and antemedian broad irregular blackish band, the latter with brownish centre, a discocellular triangular blackish patch, a postmedian transverse band of large conjoined brown half-moons bordered with black, a subterminal similar band, but the halfmoons are more irregular; hindwing semihyaline testaceous.

Length of forewing: 38 mm.

Hab. San Antonio, W. Colombia, 5800 ft., December, 1907 (M. G. Palmer).

1 ♀.

551. *Hyalartia sericea* Schaus.

3 ♂♂, 3 ♀♀ Castro, Parana; 1 ♀ Minas Geraës; 1 ♂ Sapucay; 1 ♂ Tucuman (J. Steinbach).

552. *Psychopasma erosa* (Herr.-Schaeff.).

1 ♂ S. Javier, Rio Cachabi (Flemming & Miquetta); 1 ♂ La Vuelta; 31 ♂♂, 30 ♀♀ La Union, Caura; 4 ♂♂, 6 ♀♀ Aroewarwa Creek; 3 ♂♂, 3 ♀♀ Guyapa, Caura; 1 ♂ British Guiana; 1 ♀ British Guiana (Whitford); 1 ♀ Tumatumari; 1 ♀ Potaro; 1 ♂ Rio Demerara; 4 ♂♂ Humayta; 3 ♂♂, 1 ♀ Calama; 1 ♀ Tefé, June 1906 (W. Hoffmanns); 2 ♂♂, 1 ♀ Amazons (Bates) (Felder coll.); 2 ♂♂, 2 ♀♀ Merida; 2 ♂♂ Cananche; 1 ♂ Rio de Janeiro; 1 ♂ Rio Negro; 2 ♂♂ Paramba; 1 ♂ Lita; 1 ♂ Rio Dagna; 2 ♂♂ Bogotá; 1 ♂ Cuzco; 1 ♂ Pozuzu; 2 ♂♂ Palcazu, Dept. Junin (Sedlmayr); 2 ♂♂ La Oroya; 1 ♂, 7 ♀♀ Santo Domingo; 1 ♂ Palma Sola; 1 ♂ Rio Songo; 2 ♂♂ Brazil.

553. *Thalesa seruba* (Herr.-Schaeff.).

Sir George Hampson has identified this insect with Sepp's *Phalaena citrina*: on comparing my large series with the plate 53 in *Ins. Surinam* I feel quite unable to endorse this opinion. This plate and many others in this book are so inaccurate and misleading that almost any *Halisidota* or allied insect taken at haphazard might be identified as the insect in question. I think it therefore most advisable to ignore Sepp's names altogether. In the present case, therefore, Herrich-Schaeffer's name must be employed.

1 ♂, 1 ♀ Caparo; 3 ♂♂ Potaro; 1 ♂, 1 ♀ Rio Demerara; 1 ♂ Maripa; 1 ♂ Palma Sola; 1 ♂ Santo Domingo; 5 ♂♂, 31 ♀♀ La Union, Caura; 1 ♂ Cananehe; 1 ♂, 2 ♀♀ Aroewarwa Creek; 1 ♂ Rio de Janeiro; 3 ♂♂? (Felder coll.); 1 ♂ Amazons (Bates) (Felder coll.); 2 ♂♂ Patino-Cué; 1 ♀ Sapucay; 1 ♂ Jalapa; 1 ♀ Allianca; 2 ♀♀ San José, Costa Rica; 1 ♀ Fonte Boa; 1 ♀ Merida; 2 ♀♀ Paramba; 1 ♀ La Union, Carabaya; 1 ♀ La Oroya; 1 ♀ St. Laurent de Maroni; 1 ♂ Caracas, Venezuela; 4 ♂♂ Jinotega, Nicaragua, 3400 ft., October 1905 (G. M. Palmer); 2 ♂♂, 1 ♀ Amazonas (Meyer coll.).

554. *Halisidota duckinfieldia* (Schaus).

5 ♂♂, 1 ♀ São Paulo.

555. *H. nero* (Weym.).

1 ♂, 1 ♀ Province Rio (no locality, but pins show origin).

556. *H. notata* (Schaus).

1 ♀ Colombia (Felder coll.).

557. *H. hyalinipuncta* Rothsch.

4 ♂♂ Agualani.

558. *H. andensis* (Schaus).

3 ♂♂ Bogotá (1 Child).

559. *H. argentata argentata* Pack.

2 ♂♂ N. America; 1 ♂ Durango, Col. (Oslar).

559A. *H. argentata subalpina* French.

7 ♂♂, 3 ♀♀ Prescott, Arizona (Oslar).

559B. *H. argentata sobrina* Stretch.

3 ♂♂, 3 ♀♀ Monterey Co., California.

560. *H. affinis* Rothsch.

1 ♂ Huatneco, Vera Cruz.

561. *H. ingens* H. Edw.

1 ♂, 1 ♀ Durango, Col. (Oslar).

562. *H. alternata* (Grote).

1 ♀ Orizaba.

563. *H. carrye carrye* (Harr.).

2 ♂♂, 1 ♀ Canada ; 1 ♂ ? ; 1 ♂ N. America ; 4 ♂♂, 3 ♀♀ ? (Felder coll.) ;
1 ♂, 1 ♀ New York (Meyer coll.) ; 1 ♂, 1 ♀ Washington (Sand coll.) ; 3 ♂♂,
3 ♀♀ Texas.

563A. *H. carrye propinqua* H. Edw.

6 ♂♂ Orizaba ; 2 ♂♂ Vera Cruz, Mexico ; 2 ♂♂ Jalapa ; 1 ♀ Mexico City ;
1 ♂ Cartago ; 2 ♀♀ Asahar de Cartago ; 1 ♂, 4 ♀♀ Costa Rica (Underwood) ;
2 ♀♀ San José ; 1 ♀ Ciudad de Guatemala.

563B. *H. carrye mixta* Neum.

4 ♂♂, 1 ♀ Nogales, Arizona (Oslar), including type of *H. pseudocarrye*
Rothsch.

Owing to the peculiar, and to me at the time unknown method of indicating
subspecies (namely by putting the label at the head instead of the foot of the
column) employed in the Natural History Museum by Sir George Hampson, I was
led to redescribe this form as *H. pseudocarrye*.

564. *H. maculata maculata* (Harr.).

1 ♂, 1 ♀ New York (Meyer coll.) ; 2 ♂♂ Winnipeg, Man., May 1902 ; 2 ♂♂
Petersham, Mass., May 1902 ; 1 ♂, 1 ♀ ? (Felder coll.) ; 1 ♂ Ontario, Canada ;
1 ♀ Canada ; 1 ♂ ? ; 2 ♂♂, 3 ♀♀ Halifax, Nova Scotia.

564A. *H. maculata agassizi* Paek.

1 ♂, 1 ♀ ? ; 1 ♂ California (Felder coll.) ; 1 ♂ California ; 1 ♂, 1 ♀ San
Francisco ; 1 ♂ Los Angeles ; 3 ♂♂, 5 ♀♀ San Luis Obispo, California, April
1902.

564B. *H. maculata angulifera* Walk.

2. ♂♂, 1 ♀ Kaslo, Brit. Columbia ; Keith Road, North Vancouver, May 20,
1902 (N. Charles Rothschild) ; 1 ♂, 1 ♀ Victoria, Brit. Columbia, May 1902 ;
1 ♂ Nelson, Brit. Columbia ; 1 ♂ Colorado ; 4 ♂♂, 1 ♀ Glenwood Springs, Col.
(Oslar) ; 2 ♂♂, 3 ♀♀ Fort Garland ; 3 ♂♂, 2 ♀♀ Almosa, Col. (Oslar).

564C. *H. maculata texana* Rothsch.

4 ♂♂, 1 ♀ Texas.

565. *H. pseudomaculata* spec. nov.

♀. Pectus, head and thorax buffish yellow ; patagia with brown central line ;
abdomen buff. Forewing buffy yellow with numerous ill-defined bands of
cinamou brown. Hindwing semihyaline whitish buff.

Length of forewing : 22 mm.

Hub. Brazil (Prov. Rio).

1 ♀.

566. **H. tucumana** Rothsch.

2 ♂♂, 1 ♀ Ciudad de Tucuman (Monetti); 2 ♂♂ 1 ♀ Tucuman (J. Steinbach).

567. **H. alsus** (Cram.).

1 ♂, 1 ♀ Merida; 1 ♂ Paramba; 1 ♂, 7 ♀♀ Orizaba; 3 ♀♀ Jalapa; 1 ♂, 1 ♀ Bonquete, Chiriqui, 3500 ft. (Watson); 1 ♀ Costa Rica (Underwood); 1 ♀ Ciudad de Guatemala; 1 ♀ Guadalupe, Cundinamarca (Mathan); 1 ♂, 3 ♀♀ La Oroya; 1 ♂ Oconeque; 3 ♂♂, 9 ♀♀ Santo Domingo.

568. **H. distincta distincta** Rothsch.

5 ♂♂, 2 ♀♀ Agualani; 4 ♂♂, 2 ♀♀ Oconeque; 9 ♂♂, 2 ♀♀ Santo Domingo.

568A. **H. distincta brunnescens** Rothsch.

3 ♂♂, 1 ♀ Hnancabamba, Cerro de Paseo (E. Boettger).

568B. **H. distincta obsolescens** subsp. nov.

Differs from the other two subspecies of *distincta* by the markings being more or less obsolescent in the males, and in the female the brown network tends to contract into bands.

Hab. 6 ♂♂ Bogotá [Felder coll., 1 labelled New Granada (Linden)]; 16 ♂♂, 1 ♀ Bogotá (5 ♂♂ Child); 1 ♂ Eavirons de Loja, Ecuador, 1889; 1 ♂ Quito, Ecuador (W. Goodfellow).

568C. **H. distincta meridionalis** subsp. nov.

Differs from the other forms by its small size, deeper orange ground-colour, and distinct brown marking,

Hab. Argentina, 1 ♂, 1 ♀ Salta; 2 ♂♂, 6 ♀♀ Tucuman (Steinbach, Monetti).

568D. **H. distincta pallida** subsp. nov.

Differs from all the other forms of *distincta* by its pale yellow colour and indistinct markings.

Hab. São Paulo and Castro, Parana.

1 ♂, 4 ♀♀.

569. **H. margana** Schaus.

1 ♀ Rio de Janeiro.

570. **H. rosetta** Schaus.

2 ♂♂ São Paulo.

571. **H. atomosa** (Walk.).

4 ♂♂, 4 ♀♀ Jamaica; 1 ♂, 1 ♀ Kingston, Jamaica; 1 ♀ Ellenslee, St. Andrews, Jamaica (Taylor); 1 ♀ Newcastle, Jamaica; 2 ♂♂, 2 ♀♀ erroneously labelled Rio de Janeiro.

572. *H. moeschleri* Rothsch.

11 ♂♂, 3 ♀♀ Jamaica.

573. *H. lurida* H. Edw.

2 ♂♂, 1 ♀ Orizaba ; 1 ♂ Jalapa ; 1 ♂ Vera Cruz, Mexico ; 1 ♀ ?.

574. *H. affinis* Rothsch.

1 ♂ Tinguri ; 1 ♂, 4 ♀♀ Santo Domingo.

575. *H. falacroides* Rothsch.

1 ♂ Huancabamba ; 1 ♀ Santo Domingo ; 1 ♀ S. Javier, Rio Cachabi (Flemming & Miquetta).

576. *H. falacra* Dogn.

This species was identified by Sir George Hampson as the *Phalaena bactris* of Sepp. While referring to my remarks under *Thalesa seruba*, I may say that Sepp's figure of *bactris* shows three transverse broad lines across the forewings which are entirely wanting in *falacra*, and therefore the name *bactris* can under no circumstances apply to this insect.

1 ♂ Venezuela (Felder coll.) ; 10 ♂♂, 4 ♀♀ Santo Domingo ; 5 ♂♂ Oconeque ; 10 ♂♂ La Oroya ; 1 ♂ Chulumani, Bolivia, 2000 m., December (Simons) ; 2 ♂♂ Agualani.

577. *H. hoffmannsi* Rothsch.

1 ♂ Pozuzu.

578. *H. huaco* Schaus.

1 ♂ Castro, Parana.

579. *H. subterranea* Rothsch.

6 ♂♂, 2 ♀♀ Santo Domingo ; 5 ♂♂ La Oroya ; 5 ♂♂, 1 ♀ Oconeque.

580. *H. terranea* Rothsch.

17 ♂♂ Fonte Boa ; 1 ♂ San Ernesto ; 1 ♂ Coca, Upper Rio Napo, May—June 1899 ; 1 ♂ Rio Tiputini, Rio Napo, August 1899 (W. Goodfellow).

581. *H. setosa* Rothsch.

6 ♂♂ La Union, Carabaya ; 8 ♂♂ Tinguri ; 10 ♂♂, 2 ♀♀ La Oroya.

582. *H. sobrina* Moeschl.

8 ♂♂ Pozuzu ; 3 ♂♂ Potaro ; 3 ♂♂, 4 ♀♀ Maripa, Caura ; 1 ♂ Tefé (Munthau) ; 3 ♂♂ San Ernesto ; 4 ♂♂, 5 ♀♀ ? ; 4 ♂♂ Salampioni ; 3 ♂♂ Palcazu, Ecuador (Sedlmayr) ; 1 ♂ British Guiana ; 1 ♂ Rio Demerara ; 5 ♂♂ Aroewarwa Creek ; 2 ♂♂, 2 ♀♀ La Vuelta ; 4 ♂♂, 3 ♀♀ Fonte Boa ; 3 ♂♂ La Union, Carabaya ; 1 ♀ La Union, Caura ; 2 ♂♂ Cuzco, Peru ; 4 ♂♂ Chanchamayo ; 1 ♂ Amazons (Meyer coll.) ; 1 ♂ St. Laurent de Maroni ; 1 ♂ Quevedo.

583. *H. sobrinoides* spec. nov.

♂. Differs from *sobrina* in being larger, the wings broader; the two large patches on costa hardly indicated, and the discocellular patch replaced by two dots.

♀. Differs in having all the markings much reduced.

Hab. 1 ♂ Rio Songo; 2 ♂♂, 3 ♀♀ Maripa, Canra; 1 ♂, 1 ♀ Fonte Boa, Mouth of Kouron River, November 1905 (E. Le Moult); 3 ♂♂, 2 ♀♀ Aroewarwa Creek; 1 ♂ S. Javier; 1 ♂ Buenavista; 2 ♂♂ Rio Demerara; 3 ♂♂ Poznu; 1 ♂ La Merced, Chanchamayo; 1 ♂ Poturo; 6 ♂♂, 6 ♀♀ La Union, Canra; 3 ♂♂ La Vuelta; 1 ♀ Gnayaquil, W. Ecuador (v. Buchwald); 2 ♂♂ Charaplaya, Bolivia, 1300 m., July 1901 (Simons); 1 ♂ Colombia; 1 ♂ Rio Dagna, Colombia (W. Rosenberg); 6 ♂♂ Chanchamayo; 1 ♂ Suapure, Venezuela, October 2, 1899; 1 ♂ Cananche; 1 ♂ San Ernesto; 9 ♂♂, 1 ♀ La Oroya; 1 ♂ Rio Tanampaya; 1 ♂ Cuzco; 1 ♂ Poznu; 2 ♂♂ Rio Colorado, Peru, 2500 ft., August—September 1902 (Watkins); 3 ♂♂ Hnancabamba; 1 ♂ Tinguri; 1 ♂, 1 ♀ Caracas, Venezuela; 1 ♂ Hacienda Ave Maria, W. Ecuador, April 1907 (v. Buchwald); 1 ♀ Caparo; 1 ♂ Popayan (Lehmann); 1 ♀ Environs de Loja (Dognin coll.); 1 ♂ Marcapata.

584. *H. endolobata* Hamps.

3 ♂♂ Santo Antonio do Javary; 1 ♂ Teflé (Mathan); 1 ♂ Iquitos (Stuart); 11 ♂♂, 2 ♀♀ Fonte Boa.

585. *H. atra* Druce.

1 ♂ Huatuxco, Vera Cruz; 1 ♀ Vera Cruz, Mexico; 3 ♀♀ Jalapa; 1 ♀ Costa Rica (Underwood).

586. *H. fuliginosa* Rothsch.

1 ♂ Cuernavaca; 4 ♀♀ Santo Domingo.

587. *H. bricenoi* Rothsch.

2 ♂♂, 5 ♀♀ Merida.

588. *H. underwoodi underwoodi* Rothsch.

1 ♀ Jalapa; 2 ♂♂, 2 ♀♀ Orizaba; 1 ♀ Vera Cruz, Mexico; 5 ♂♂ 11 ♀♀ Costa Rica (Underwood); 1 ♂, 1 ♀ San José; 1 ♀ Popayan (Lehmann); 1 ♀ Tuis, Costa Rica; 1 ♂ Chanchamayo; 1 ♂ Rio Huacamayo; 1 ♂ Brazil.

588A. *H. underwoodi orientalis* Rothsch.

2 ♂♂, 1 ♀ British Guiana; 1 ♂, 1 ♀ Venezuela (Felder coll.); 2 ♂♂, 1 ♀ Caparo; 2 ♂♂, 3 ♀♀ Port of Spain; 1 ♀ Tabaquite, Nariéva Dist., Central Trinidad; 2 ♂♂, 2 ♀♀ Trinidad.

589. *H. interlineata interlineata* Walk.

2 ♂♂, 1 ♀ Brazil (Felder coll.); 1 ♂, 3 ♀♀ Cayenne (Felder coll.); 2 ♀♀ Rio de Janeiro; 1 ♀ Cuernavaca; 1 ♂ Jalapa.

589A. *H. interlineata intensa* Rothsch.

1 ♂, 1 ♀ La Union, Carabaya; 4 ♂♂, 4 ♀♀ Santo Domingo; 4 ♂♂, 4 ♀♀ Costa Rica (Underwood); 2 ♂♂, 2 ♀♀ Costa Rica; 1 ♂ Tuis, Costa Rica; 2 ♂♂ Asahar de Cartago; 3 ♀♀ Merida, Venezuela; 1 ♂ Vera Cruz, Mexico; 2 ♂♂, 1 ♀ Caracas, Venezuela; 1 ♀ Cocuta, Venezuela.

590. *H. davisii* H. Edw.

6 ♂♂, 4 ♀♀ Nogales, Arizona, July 1903 (Oslar).

591. *H. oslari* Rothsch.

2 ♂♂, 2 ♀♀ Glenwood Springs, and 1 ♂, 1 ♀ Denver, Colorado (Oslar).

592. *H. schausi schausi* Rothsch.

3 ♂♂, 4 ♀♀ Costa Rica (Underwood); 1 ♀ Ciudad de Guatemala; 1 ♀ San José; 3 ♂♂, 3 ♀♀ Merida; ? 1 ♂ Vino, Peru, 5000 ft.; 1 ♂ Orizaba; 2 ♂♂, 3 ♀♀ Caracas, Venezuela.

592A. *H. schausi pallida* Rothsch.

14 ♂♂, 22 ♀♀ Cuernavaca; 1 ♀ Guadalajara.

592B. *H. schausi braziliensis* Rothsch.

1 ♀ Castro, Parana.

593. *H. cinctipes cinctipes* Grote.

1 ♂, 2 ♀♀ Orizaba; 5 ♂♂, 1 ♀ Costa Rica (Underwood); 1 ♀ Cuba; 1 ♀ Guatil.

593A. *H. cinctipes insularis* Rothsch.

6 ♂♂, 6 ♀♀ Sta. Lucia, June 1902-3 (Branch).

This and the following two subspecies, by an unfortunate error of transcription, have been published as subspecies of *schausi*.

593B. *H. cinctipes meridensis* Rothsch.

3 ♂♂ Merida; 2 ♂♂, 1 ♀ Caracas, Venezuela.

593C. *H. cinctipes tucumana* Rothsch.

3 ♂♂, 3 ♀♀ Tucuman (J. Steinbach); 1 ♂, 1 ♀ Ciudad de Tucuman (Dinelli, Monetti).

594. *H. tessellaris tessellaris* Abbott & Smith.

4 ♂♂, 6 ♀♀ Iowa; 1 ♂ Evanston, Ill., June 11, 1896 (A. J. Snyder); 3 ♂♂?; 8 ♂♂, 2 ♀♀ Amer. bor. (Felder coll.); 1 ♂ Larima Co., 5000 ft.; 1 ♂, 1 ♀ New York (Meyer coll.); 8 ♂♂, 3 ♀♀ Canada; 1 ♂ Long Island; 1 ♂ Washington; 5 ♂♂, 8 ♀♀ Texas.

594A. *H. tessellaris meridionalis* Rothsch.

1 ♂, 4 ♀♀ Orizaba.

595. *H. steinbachi* Rothsch.

3 ♂♂, 1 ♀ Tucuman (Steinbach); 1 ♂, 1 ♀ Salta, Argentina (Steinbach);
1 ♂, 4 ♀♀ Ciudad de Tucuman (Dinelli, Monetti).

596. *H. masoni* (Schaus).

1 ♂ Orizaba; 1 ♀ Huatuxeo, Vera Cruz.

597. *H. brunneitincta* Hamps.

1 ♂ New Granada (Felder coll.).

598. *H. cyclozonata* Hamps.

9 ♂♂, 5 ♀♀ La Oroya; 16 ♂♂, 18 ♀♀ Fonte Boa; 3 ♂♂, 4 ♀♀ Aroewarwa
Creek; 1 ♂ La Union, Carabaya; 1 ♂ Potaro; 1 ♂ Teffé (Mathan); 1 ♀ Tinguri;
1 ♀ San Ernesto.

599. *H. androlepia* Dogn.

1 ♂ Oconeque; 3 ♂♂, 4 ♀♀ Santo Domingo; 1 ♂ La Oroya.

600. *H. lineata* Schaus.

11 ♂♂, 2 ♀♀ São Paulo; 5 ♂♂ Sapucay.

601. *H. aurata* D. Jones.

1 ♀ Sapucay.

602. *H. oruboides* Rothsch.

6 ♂♂ Santo Domingo; 5 ♂♂, 1 ♀ Tinguri; 2 ♂♂ Potaro; 8 ♂♂ La Oroya;
1 ♂ Río Huacamayo.

603. *H. similis* Rothsch.

7 ♂♂, 1 ♀ Fonte Boa; 1 ♂ Potaro.

604. *H. cedon* Druce.

1 ♂ La Oroya; 1 ♂ Allianca; 1 ♀ Río Demerara; 1 ♀ La Union, Caura.

605. *H. venezuelensis* Rothsch.

3 ♂♂ Palma Sola, Venezuela.

606. *H. jonesi* Rothsch.

2 ♂♂ Castro, Parana.

607. *H. batesi* Rothsch.

1 ♂ Teffé (Mathan); 1 ♀ Amazonas (Bates) (Felder coll.).

608. *H. obvia* Dogn.

2 ♂♂ Aroewarwa Creek ; 3 ♂♂ La Vuelta ; 1 ♂ La Union, Caura ; 1 ♂ Maripa, Caura.

609. *H. coniata* Hamps.

15 ♂♂ Agualani.

610. *H. pseudoconiata* Rothsch.

1 ♂, 1 ♀ Agualani ; 1 ♂, 1 ♀ Limbaui.

611. *H. apicipunctata* Schaus.

7 ♂♂ Santo Domingo ; 4 ♂♂ Oconeque ; 1 ♂ Rio Inambari ; 1 ♂ Tinguri.

612. *H. dinellii* Rothsch.

1 ♂ La Hayada, Tucuman, 1300 m., December 1901 (Dinelli).

613. *H. racema* Schaus.

1 ♂ La Union, Carabaya.

614. *H. cuneipuncta* Rothsch.

1 ♂ Vera Cruz, Mexico.

615. *H. stuarti* Rothsch.

1 ♀ Reyes, August 7, 1895 (Stuart).

616. *H. pulveria* Schaus.

1 ♂ Santo Domingo ; 1 ♂ Costa Rica (Underwood).

617. *H. liparoides* Rothsch.

2 ♂♂ Aroewarwa Creek ; 3 ♂♂ Fonte Boa ; 1 ♂ La Union, Carabaya.

618. *H. aurantiaca* Rothsch.

1 ♂ Allianca ; 1 ♂ La Vuelta.

619. *H. lacteogrisea* Rothsch.

2 ♂♂ La Vuelta.

620. *H. contempta* Rothsch.

2 ♂♂ Fonte Boa ; 1 ♀ San Ramon, Nicaragua, 185 miles above C. Gracias, 375 ft., June 1905 (Palmer).

621. *H. ptenostomoides* Rothsch.

This may be a very aberrant ♀ of *oruboides*, but it does not agree with my undoubted ♀ from Tinguri.

1 ♀ Santo Domingo ; 1 ♀ Corcovado.

622. *H. stipulatoides* spec. nov.

Similar to *stipulata*, but markings less distinct, and hindwings rufous buffy yellow.

Hab. 1 ♂ Christianaburg, Demerara; 1 ♂ Suapure, Venezuela; 1 ♂ Aroewarwa Creek; 1 ♂ British Guiana; 1 ♂ Rio Demerara; 3 ♂♂ La Vuelta; 1 ♂ La Union, Caura; 1 ♂ La Union, Carabaya; 1 ♂ Maripa; 1 ♂ Fonte Boa; 1 ♂ Codajas.

623. *H. stipulata* Rothsch.

1 ♂ Allianca; 6 ♂♂, 1 ♀ La Oroya; 4 ♂♂ Tinguri; 5 ♂♂, 1 ♀ Cusbi; 1 ♂, 1 ♂ Pozuzu; 1 ♂ Santo Domingo; 1 ♂ Tuis, Costa Rica; 1 ♀ Caradoc, Marcapata; 1 ♀ Chulumani.

624. *H. nebulosa* Rothsch.

6 ♂♂, 10 ♀♀ Fonte Boa; 1 ♂ Quevedo; 1 ♂ La Oroya; 1 ♂ Carondelet, Ecuador (Flemming & Miquetta).

625. *H. squalida* Herr.-Schaeff.

15 ♂♂, 1 ♀ Fonte Boa; 1 ♂ Obidos; 1 ♂, 3 ♀♀ said to be La Plata (town); 1 ♂ San to Antonio do Javary; 1 ♀ Castro, Parana.

626. *H. polydonta* Hamps.

1 ♂ Quevedo; 1 ♂ Colombia; 2 ♂♂ Popayan (Lehmann); 7 ♂♂ La Oroya; 1 ♂ Iquitos, 1893 (Stuart); 2 ♂♂ Caparo.

627. *H. mandus* Herr.-Schaeff.

Sir George Hampson has united under the name of *rhomboidea* Sepp a number of species, among others *mandus*. The figure of *rhomboidea* to my mind is so bad that it is quite unlike any species of *Halisidota*; it therefore must be rejected altogether. The true *mandus* is, I believe, confined to the Rio district, and I have two cotypes.

1 ♂ Nova Friborgo; 1 ♀ Rio de Janeiro; 1 ♂, 1 ♀ Brazil (Felder coll.).

628. *H. nonagrioides* spec. nov.

♂. Pectus and legs buff; head, antennae, and thorax buffish clay-colour, anterior portion of patagia paler; abdomen orange buff.—Forewing buff, discal area somewhat semihyaline, median nervure brown; beyond apex of cell the outer two-fifths of wing with long narrow cuneate darker markings in the internervular spaces; longitudinal hair-lines of darker colour in cell.—Hindwing semihyaline silky cream-white.

♀. Similar but much larger, the darker markings on forewings except on median nervure almost obsolete.

Length of forewing: ♂ 22 mm.; ♀ 26 mm.

Hab. 2 ♂♂, 2 ♀♀ Caracas, Venezuela; 1 ♂ Valencia, Venezuela; 3 ♂♂ Merida; 3 ♂♂, 2 ♀♀ Sapucay; 1 ♂ Oconeque; 1 ♂ São Paulo; 1 ♂ Minas Geraës.

629. *H. pseudomanda* spec. nov.

♂. Similar to *mandus*, but the central longitudinal band of forewing almost absent and a disco-cellular round brown stigma.

♀. Larger and paler, and stigma also larger and more distinct.

Hab. 8 ♂♂, 2 ♀♀ La Oroya, Carabaya; 1 ♂ Santo Domingo; 1 ♂ Tinguri; 1 ♂ Surinam.

630. *H. strigulosa* Walk.

This is quite a distinct species and has nothing to do with *mandus*.

2 ♂♂ Chiriqui; 1 ♂ Costa Rica (Underwood); 1 ♂ Jalapa; 3 ♂♂, 1 ♀ Orizaba; 2 ♂♂ São Paulo; 1 ♂ Minas Geraës; 1 ♂, 1 ♀? (Felder coll.); 1 ♀ Petropolis; 1 ♂ Tijoco, Brazil, December; 3 ♀♀ Pozuzu; 1 ♂ Valencia, Venezuela; 1 ♀ Rio de Janeiro; 3 ♂♂ Concordia Cafetal, Jinotega, 4400 ft., March 1906 (M. G. Palmer); 1 ♀ San Jacinthe Valley, Theophilo Ottoni, Minas Geraës, 1907-8 (F. Birch).

631. *H. ochracea* Moeschl.

6 ♂♂, 4 ♀♀ São Paulo; 1 ♀? (Felder coll.); 2 ♂♂ La Oroya; 1 ♂ Orizaba; 1 ♂ Castro, Parana; 1 ♂ Rio de Janeiro; 1 ♀ Fonte Boa.

632. *H. nubilosa* Rothsch.

5 ♂♂ Santo Domingo; 1 ♂ Oconeque; 1 ♂ La Oroya.

633. *H. oblonga* Rothsch.

6 ♂♂, 2 ♀♀ Santo Domingo; 1 ♂ Oconeque.

634. *H. quadrata* spec. nov.

♂. Allied to *nubilosus*, but wings much shorter and broader, giving the insect a square appearance. Ground colour of wings much more buff, not cream-colour, and the markings rufous chestnut, not dark brown.

Length of forewing: 26-28 mm.

Hab. 1 ♂ Oconeque, Carabaya; 1 ♂ Limbani.

635. *Halisidota* spec.

1 ♂ Ibarra, May 1897 (Rosenberg). This is evidently a fine new species, but the specimen is in too damaged a condition to describe.

636. *H. atrimaculata* Hamps.

1 ♂ San Jacinto, Merida (Briceño).

637. *H. angulata* spec. nov.

♂. Allied to *quadratus*. Pectus, head, antennae, and thorax brownish buff; abdomen paler.—Forewing buffy yellow, marked all over with irregular rufous half-moons and streaks; a dark brown stigma at end of cell, from which proceeds

a rectangular rufous band, the longer arm reaching the termen, the shorter the costa.
—Hindwing buff.

♀. Similar, but larger and paler.

Length of forewing : ♂ 21 mm. ; ♀ 26 mm.

Hab. 8 ♂♂, 1 ♀ Santo Domingo, Carabaya ; 3 ♂♂ La Oroya.

638. *H. flavorufa* spec. nov.

♂. Legs and pectus dirty buff ; head brownish buff ; thorax buff thickly dusted with rufous ; abdomen rufous buff.—Forewing primrose yellow dusted all over with rufous speckles ; a patch within cell near apex, a large stigma, a broad streak beyond stigma and a patch on vein 1 beyond the centre rufous, the stigma with cinnamon centre.—Hindwings semihyaline cream-buff.

Length of forewing : 23 mm.

Hab. 1 ♂ Potaro, Brit. Guiana ; 1 ♂, 1 ♀ Carondelet, Ecuador (Flemming & Miquetta).

639. *H. nebulosa* spec. nov.

♂. Pectus and legs creamy white ; fore-coxae orange ; antennae testaceous ; thorax buff densely powdered with brown ; abdomen reddish buff.—Forewing buffy cream densely powdered with rufous ; an irregular rufous band from base along median vein to termen.—Hindwing buff.

♀. Larger, paler, and less densely powdered with rufous, median band almost obsolete.

Length of forewing : ♀ 19 mm. ; ♀ 23 mm.

Hab. 4 ♂♂ Fonte Boa, Upper Amazons ; 1 ♂ La Union, Carabaya ; 5 ♂♂, 1 ♀ Allianca ; 4 ♂♂, 1 ♀ Calama ; 1 ♂ La Oroya ; 1 ♀ Sau Ernesto.

640. *H. subfasciata* spec. nov.

♂. Pectus, legs, head, and antennae buff ; thorax buff slightly irrorated with brown ; abdomen brownish buff.—Forewing pale yellow crossed by six or seven irregular waved cinnamon bands.—Hindwing semihyaline cream-buff.

Length of forewing : 19 mm.

Hab. Sapucay, Paraguay.

641. *H. annulosa* Walk.

1 ♀ Ocampo, El Chaco, Argentina, November 1905 (Venturi) ; 1 ♀ Maraval, August 1891 ; 4 ♂♂, 6 ♀♀ La Union, Caura ; 7 ♂♂, 2 ♀♀ Fonte Boa ; 2 ♂♂, 1 ♀ Buenavista ; 4 ♂♂ La Union, Carabaya ; 2 ♂♂, 1 ♀ Rio Demerara ; 2 ♂♂ Aroewarwa Creek ; 1 ♂ Allianca ; 1 ♂ Potaro ; 1 ♂ Valencia, Venezuela ; 1 ♀ Rio de Janeiro ; 1 ♂, 1 ♀ Guadalajara ; 1 ♀ Costa Rica (Underwood) ; 3 ♂♂, 1 ♀ Orizaba ; 1 ♀ Santo Domingo ; 1 ♀ Pozuzu ; 1 ♀ Asahar de Cartago ; 1 ♂ Brazil ; 1 ♂ Guayaquil, W. Ecuador (v. Buchwald) ; 1 ♂, 2 ♀♀ Caparo ; 1 ♂ Pebas, Amazonas ; 1 ♀ Tumatmari ; 1 ♀ Jalapa.

642. *H. caterulata* (Hübner).

1 ♂, 1 ♀ Tucuman (J. Steinbach).

643. *H. walkeri* spec. nov.

♂. Pectus, head, and thorax buff; antennae pale brown; abdomen clay-buff. —Forewing buff reticulated with rufous brown, an antemedian and postmedian transverse band of rufous brown, between the termen and the postmedian band, a short band from costa to vein 8. —Hindwings semihyaline creamy white.

♀. Similar, but larger and darker.

Length of forewing: ♂ 13.5 mm.; ♀ 16 mm.

Hab. La Union, Caura.

71 ♂♂, 15 ♀♀.

643A. *H. walkeri major* subsp. nov.

Differs in its much larger size.

Length of forewing: ♂ 17 mm.; ♀ 19–20 mm.

Hab. 1 ♂ Amapete Valley, Trinidad, July 1902; 1 ♂ Pambilán, Ecuador; 1 ♂ Cachabi (Rosenberg); 1 ♀ Port of Spain, Trinidad; 1 ♂ Cananche, Colombia; 1 ♂ Valencia, Venezuela; 1 ♀ S. Javier; 2 ♂♂, 3 ♀♀ Fonte Boa; 5 ♂♂, 1 ♀ Aroewarwa Creek; 1 ♀ Caparo; 1 ♂ Codajas; 1 ♂ Salidero, N.W. Ecuador, March 1901 (Flemming & Miquetta); 1 ♂ Tuis; 1 ♂, 1 ♀ La Merced, Chachamayó; 1 ♂ Rio Dagna.

644. *H. buchwaldi* spec. nov.

♂. Similar to *walkeri*, but much paler, and the transverse bands obsolete; the stigma on forewing larger.

Hab. 1 ♂, 1 ♀ Rio Demerara; 1 ♂ Potaro; 1 ♂ Makasaka, Sta. Marta (V. de Andreis); 5 ♂♂, 6 ♀♀ Quevedo; 4 ♂♂, 1 ♀ Fonte Boa; 1 ♂ La Union, Carabaya; 1 ♀ Tabaquite, Narieva Distr., Central Trinidad; 1 ♀ S. Javier, Rio Cachabi (Flemming & Miquetta); 1 ♀ Aroewarwa Creek; 2 ♂♂, 1 ♀ La Union, Caura; 1 ♂ Tijnco, Brazil, December; 2 ♂♂ Sapucay; 1 ♀ Santo Antonio do Javary; 4 ♂♂, 2 ♀♀ São Paulo; 1 ♂ Caparo; 1 ♀ Paraguay (Dr. Bohls); 1 ♂ Castro, Parana; 1 ♂ Petropolis; 1 ♀ Buenavista; 1 ♀ Maripa, Canra.

645. *H. minuta* spec. nov.

♂. The smallest species I have seen. Pectus and legs buff; head, antennae, and thorax buffish brown; abdomen brownish buff. —Forewing pale buffy brown streaked and irrorated with blackish brown, a larger splash of same colour at tornus. —Hindwing buff.

Length of forewing: 11.5 mm.

Hab. La Oroya, Carabaya.

1 ♂.

646. *H. curta* spec. nov.

♂. Pectus and legs pale cinnamon; antennae cinnamon; head and thorax cinnamon olive; abdomen pale cinnamon? —Forewing pale cream cinnamon with irregular patches of greenish olive-yellow, and dotted with black. —Hindwing cinnamon sooty brown.

Length of forewing: 14 mm.

Hab. Fonte Boa, Upper Amazons.

1 ♂.

647. *H. amaxiaeformis* spec. nov.

♂. Shaped like an *Amaxia*. Pectus cinnamon buff; head, thorax, and antennae pale buffish cinnamon; abdomen brownish buff.—Forewing pale buffish cinnamon reticulated with rufous cinnamon.—Hindwing semihyaline cream-colour.

♀. Resembles a small *H. nonagrioides*, but ground colour golden buff.

Hab. Rio Cayapas, N.W. Ecuador (Flemming & Miquetta).

1 ♂, 1 ♀.

648. *H. uniformis* spec. nov.

Uniform buffish clay-colour except hindwings, which are hyaline grey.

Hab. Rio Demerara.

1 ♀.

649. *H. umbrina* spec. nov.

♂. Pectus and legs pale buffy wood-brown; head and tegulae and antennae wood-brown; thorax and patagia paler, more yellowish; abdomen dark sooty black-brown.—Forewing dull orange-buff blotched and banded with dark wood-brown.—Hindwing deep black-brown.

Length of forewing: 16 mm.

Hab. Fonte Boa, Upper Amazonas.

3 ♂♂.

650. *H. leucanina* Feld.

1 ♂ Oconeque; 27 ♂♂, 8 ♀♀ Santo Domingo; 5 ♂♂ Agualani; 3 ♂♂, 1 ♀ Limbani; 3 ♂♂ Merida; 45 ♂♂, 13 ♀♀ Bogotá (20 ♂♂, 2 ♀♀ Child); 2 ♂♂ Nova Friburgo; 6 ♂♂, 1 ♀ São Paulo; 1 ♀ Bogotá, Type (Felder coll.); 3 ♂♂ Rio de Janeiro; 1 ♂ Minas Geraës.

651. *H. melaleuca* (Feld.).

1 ♂ Bogotá; 1 ♀ Bogotá, Type (Felder coll.).

652. *H. semibrunnea* Druce.

3 ♂♂, 1 ♀ La Oroya; 1 ♀ La Union, Carabaya; 1 ♀ Santo Domingo.

653. *H. roseofasciata* Druce.

1 ♂ Bogotá (Child).

654. *H. rusca* (Schaus).

6 ♂♂ São Paulo.

655. *H. interstriata* Hamps.

1 ♂ Castro, Parana.

656. *H. hadenoides* Rothsch.

2 ♀♀ Iquitos (Stuart); 18 ♂♂ Fonte Boa; 1 ♂ Allianca; 1 ♀ Codajas.

657. *H. conspicua* (Maass.).

5 ♂♂ Agualani; 1 ♂ Limbani.

658. *H. melanoproctis* Hamps.

4 ♂♂ Agualani; 2 ♂♂ Limbani.

659. *H. maasseni* Rothsch.

2 ♂♂, 2 ♀♀ Limbani; 1 ♂ Agualani.

660. *H. semifulvus* (Druce).

1 ♂ Agualani; 1 ♂ Limbani; 1 ♂ Río Huacamayo.

661. *H. ockendeni* Rothsch.

8 ♂♂ Agualani; 1 ♂ Oconeque.

662. *H. cinnamomea* Rothsch.

1 ♀ Río Huacamayo; 2 ♀♀ Limbani; 1 ♀ Agualani.

663. *H. muscosa* Rothsch.

4 ♀♀ Agualani; 2 ♀♀ Limbani; 1 ♀ Huancabamba.

664. *H. nigrescens* Rothsch.

4 ♀♀ Agualani.

665. *H. rufocinnamomea* Rothsch.

1 ♂ Agualani; 1 ♂ Oconeque; 1 ♂ Limbani.

666. *H. vitreata* Hamps.

4 ♂♂, 5 ♀♀ Agualani.

667. *H. bombycina* Rothsch.

1 ♀ Limbani.

668. *H. anapheoides* Rothsch.

Vulcan de Chiriqui, 5000—9000 ft. (Watson).

669. *H. flavescens* Rothsch.

1 ♂ Sonora, New Mexico, September 1 to 10, 1906 (Poling).

670. *H. pallida* (Schaus).

2 ♂♂ Onaca, Sta. Marta; 4 ♂♂ Oconeque; 9 ♂♂ La Oroya; 1 ♂ Coreato, Canca (Paine & Brinkley); 2 ♂♂ Yungas de la Paz; 4 ♂♂, 2 ♀♀ Santo Domingo; 2 ♂♂ Paramba; 1 ♂ Cushi; 4 ♂♂ Huancabamba; 1 ♂, 3 ♀♀ Merida; 1 ♀ Río Longo; 1 ♂ Peru; 1 ♀ Costa Rica (Underwood); 1 ♂, 1 ♀ Buenavista; 1 ♀ Marcapata, E. Peru, 4500 ft.; 1 ♀ Lita, Ecuador, 3900 ft. (Flemming).

671. *H. arenacea* (Schaus).

5 ♂♂ Huancabamba; 7 ♂♂ Santo Domingo; 2 ♂♂ Cushi; 1 ♂ La Oroya.

672. *H. iridescens* (Schaus).

1 ♂ Quevedo ; 1 ♀ La Oroya ; 1 ♂, 1 ♀ Minas Geraës.

673. *H. punctata* Rothsch.

8 ♂♂ Santo Domingo,

674. *H. baritoides* Rothsch.

1 ♂ Pebas, Amazonas, November 1906 (M. de Mathan) ; 1 ♂ Fonte Boa.

675. *H. inexpectata* spec. nov.

♂. Legs dark brown ; pectus, palpi, head, thorax, and first and last three segments of abdomen above bright brownish orange ; antennae black ; central four segments of abdomen above sooty brownish black.—Forewing semihyaline greyish white, strongly washed and shaded with mouse-grey on basal half ; a deep mouse-grey patch at apex of cell, and a broad band of mouse-grey from just before termen to vein 5 ; all veins deep grey.—Hindwing small and triangular, costal two-thirds semihyaline greyish white ; veins deep grey, inner one-third dark mouse-grey ; a large mouse-grey patch at end of cell.

♀. Similar, but larger, and hindwing more normal, and the whole abdomen above sooty black except last two segments.

Length of forewing : ♂ 24 mm. ; ♀ 30 mm.

Hab. 7 ♂♂ Tinguri, Carabaya ; 2 ♂♂ La Union, Carabaya ; 2 ♂♂ Rio Huacamayo ; 4 ♀♀ Caracas, Venezuela.

676. *H. humosa* (Dogn.).

1 ♀ (hanchamayo.

677. *Metaxanthia vespiformis* Druce.

1 ♂ Muzo, Colombia, July 1903 (M. de Mathan) ; 2 ♀♀ Cananche ; 2 ♀♀ Potaro ; 1 ♀ Pebas, Amazonas, December 1906 ; 2 ♀♀ Paramba, 3500 ft., April 1897 (Rosenberg) ; 1 ♀ Carillo, Costa Rica, June, July 1903 (Underwood).

678. *M. threnodes* Druce.

53 ♂♂ La Union, Cauca ; 1 ♂ La Vuelta ; 3 ♂♂, 2 ♀♀ Aroewarwa Creek.

679. *Agorea rectilinea* Burm.

2 ♂♂, 5 ♀♀ Ciudad de Tucuman (Dinelli, Monetti) ; 6 ♂♂ Tucuman (Steinbach, Dinelli) ; 1 ♀ Salta, N. Argentina (Steinbach) ; 1, Argentine, Prov. Tucuman (G. A. Baer) ; La Soledad, Entre Rios, December 13, 1901 (Miss Britton) ; 3 ♂♂ Castro, Parana.

680. *A. longicornis* Herr.-Schaeff.

1 ♂, 1 ♀ Sapucay.

681. *A. schausi* Rothsch.

3 ♂♂, 1 ♀ Orizaba ; 1 ♂ Bogava, Chiriqui, 800 ft. (Watson).

682. **A. ockendeni** Rothsch.

2 ♂♂, La Oroya.

683. **A. citrinotincta** Rothsch.

3 ♂♂ Onaca, Sta. Marta; 1 ♀ Merida.

684. **A. boettgeri** Rothsch.

1 ♂ Huancabamba.

685. **A. klagesi** Rothsch.

1 ♂, 1 ♀ Fonte Boa.

686. **A. nigrostriata** Rothsch.

1 ♀ Ciudad de Tucuman (Monetti).

687. **A. semivitreata** Rothsch.

1 ♀ Cachabi (Rosenberg); 1 ♀ Boquete, Chiriqui, 3500 ft. (Watson); 5 ♂♂, 3 ♀♀ Maripa, Caura; 1 ♂ Port of Spain; 1 ♂ Fort Akaym, Rio Demerara; 2 ♂♂ Merida; 1 ♂ St. George's, British Guiana, November 1891 (W. Ellacombe); 3 ♂♂, 3 ♀♀ São Paulo; 2 ♂♂ Guayaquil; 9 ♂♂, 3 ♀♀ La Union, Caura; 1 ♀ Palma Sola, Venezuela; 2 ♂♂ Caparo; 1 ♂ Paramaribo, December 1892 (W. Ellacombe); 1 ♂ Buenavista; 1 ♂ Ciudad Bolivar, Venezuela; 1 ♂ Codajas; 1 ♀ Valencia, Venezuela.

688. **Bituryx intacta** Walk.

2 ♂♂ Fonte Boa; 1 ♀ Codajas.

689. **B. venosata** Walk.

1 ♂ Tinguri.

690. **B. pellucida** (Sepp).

This is undoubtedly the insect figured by Sepp. The *Agorea* which has hitherto been identified as the *pellucida* of Sepp, I have had to rename *semivitreata*.

1 ♂ Aroewarwa Creek; 1 ♀ La Union, Caura.

691. **B. grisea** Dogn.

1 ♂ Santo Domingo.

692. **B. diversipes** Walk.

1 ♂ Caracas, Venezuela.

693. **B. hoffmannsi** Rothsch.

4 ♂♂ Allianca.

694. **B. mathani** Rothsch.

6 ♂♂, 2 ♀♀, Cananche; 2 ♂♂ Muza, August 1903 (Mathan); 1 ♂, 1 ♀ La Palma; 1 ♀ Guadalite.

695. *Neritos macrostidza* Hamps.

1 ♂ Fonte Boa ; ? 1 ♀ San Ernesto.

696. *N. repanda* Walk.

3 ♂♂, 1 ♀ La Oroya ; 1 ♂ Fonte Boa ; 1 ♂ Rio Huacamayo.

697. *N. discobola* Hamps.

1 Santo Antonio do Javary ; 1 ♂ Fonte Boa.

698. *N. sorex* Druce.

7 ♂♂, 2 ♀♀ La Union, Carabaya ; 5 ♂♂, 5 ♀♀ Fonte Boa ; 3 ♂♂ San Ernesto ; 1 ♂ Santo Domingo ; 1 ♀ Buenavista ; 1 ♀ British Guiana.

699. *N. leucoplaga* Hamps.

1 ♂ La Union, Carabaya.

700. *N. prophaea* Schaus.

1 ♀ Tucson, Arizona, May 1903 (Osler).

701. *N. rosacea* Rothsch.

1 ♂ Palma Sola, Venezuela.

702. *N. affinis* Rothsch.

8 ♂♂ Aroewarwa Creek ; 4 ♂♂ Fonte Boa ; 1 ♂ Buenavista.

703. *N. griseotincta* Rothsch.

1 ♂, 7 ♀♀, Aroewarwa Creek.

704. *N. abdominalis* Rothsch.

2 ♂♂ Fonte Boa.

705. *N. steinbachi* Rothsch.

1 ♂, 1 ♀ Buenavista.

706. *N. sanguidorsia* (Schaus).

1 ♀ Potaro ; 2 ♂♂ Caparo, Trinidad (F. Birch).

707. *N. holophaea* Hamps.

2 ♂♂ Fonte Boa ; 1 ♂ Aroewarwa Creek.

708. *N. psammas* Cram.

This is not the ♂ of *onytes* Cram.

2 ♂♂ Caparo, 3 ♂♂ Aroewarwa Creek ; 1 ♂ Calama ; 2 ♂♂ Potaro ; 1 ♂ Tumatumari ; 1 ♂ St. Laurent de Maroni.

709. **N. onytes** Cram.

This is identical with *cotes* Druce and not with *psammus* Cram.
1 ♀ Paramaribo, December 1892 (C. W. Ellacombe); 1 ♀ Potaro.

710. **N. coccinea** Schaus.

1 ♂ Aroewarwa Creek; 1 ♂ Fonte Boa.

711. **N. hampsoni** Rothsch.

3 ♂♂ Fonte Boa.

712. **N. inequalis** Rothsch.

3 ♂♂ San Ernesto; 1 ♂ Salampioni; 3 ♂♂ Palcazu, Dept. Junin (Sedlmayr);
4 ♂♂ La Union, Carabaya; 2 ♂♂ Fonte Boa; 1 ♂ Cajon, Cuzco; 4 ♂♂ Yungas
de la Paz; 1 ♂, 1 ♀ Aroewarwa Creek.

713. **N. persimilis** Rothsch.

8 ♂♂, 1 ♀ La Oroya; 2 ♂♂, 2 ♀♀ Aroewarwa Creek; 1 ♂ Codajas.

714. **N. triangularis** Rothsch.

1 ♂, 5 ♀♀ La Oroya; 2 ♂♂ Chanchamayo; 1 ♂ Pozuzu; 1 ♂ Yungas de la
Coroico; 1 ♂ Cuzco, Peru; 1 ♂ Potaro.

715. **N. species.**

This may be the true ♀ of *macrostidza*, but I am not sure.
3 ♀♀ São Paulo.

716. **N. cyclopera** Hamps.

1 ♂ Fonte Boa; 2 ♀♀ Paramba, Ecuador (Rosenberg).

717. **N. androconiata** Rothsch.

1 ♂ La Union, Carabaya; 2 ♂♂, 1 ♀ La Oroya; 1 ♂ Tinguri; 3 ♀♀ Fonte Boa.

718. **N. lavendulae lavendulae** Rothsch.

3 ♀♀ Aroewarwa Creek; 2 ♂♂ Fonte Boa.

718A. **N. lavendulae meridionalis** Rothsch.

2 ♂♂ Rio de Janeiro.

719. **N. perversa** Rothsch.

1 ♂ Fonte Boa; 2 ♀♀ Aroewarwa Creek.

720. **N. drucei** Rothsch.

2 ♂♂ Aroewarwa Creek.

721. *N. nigricollis* Dogn.

2 ♂♂ La Union, Carabaya.

722. *N. steniptera* Hamps.

5 ♂♂ Fonte Boa (1 = Type of *Areomolis basalis* Rothsch.); 1 ♂ Santo Antonio do Javary 2 ♂♂, 2 ♀♀ Aroewarwa Creek.

723. *N. ockendeni* (Rothsch.).

3 ♂♂, 1 ♀ La Oroya; 3 ♂♂, 2 ♀♀ Fonte Boa; 1 ♀ Aroewarwa Creek.

724. *Aemilia ambigua* (Stretch).

2 ♂♂, 1 ♀ Durango, Col. (Oslar); 3 ♂♂ Glenwood Springs, Col. (Oslar); 1 ♂ Colorado.

725. *Ae. rubriplaga* (Walk.).

1 ♂ Zamora, Ecnador (Baron); 1 ♂, 1 ♀ Santo Domingo; 3 ♀♀ Merida; 1 ♂ Coreato, Canca (Paine & Brinkley); 1 ♂ San Antonio, W. Colombia, 5800 ft., November 1907 (M. G. Palmer).

726. *Ae. crassa* (Walk.).

1 ♂ Paramba, Ecnador, January—August 1899 (Flemming); 3 ♂♂ Huanca-bamba; 1 ♂ Lita, Ecnador, 3000 ft. (Flemming); 1 ♂ Merida; 1 ♀ Limbani; 1 ♀ Agualani; 3 ♂♂ Jimenez, W. Colombia, 1600 ft., June 1907 (M. G. Palmer).

727. *Ae. pagana* (Schaus).

1 ♂, 4 ♀♀ Castro, Parana.

728. *Ae. brunneipars* Hamps.

1 ♂, 1 ♀ Limbani; 8 ♂♂, 6 ♀♀ Agualani; 1 ♂ Oconeque; 1 ♂ La Oroya.

729. *Ae. melanchra* (Schaus).

3 ♂♂, 1 ♀ Oconeque.

730. *Ae. mineosa* (Druee).

5 ♂♂ Oconeque; 1 ♀ Popayan (Lehmann).

731. *Tyria jacobaeae* (Linn.).

1 ♂ Bedford Purliens, Wansford, June 30, 1903 (W. Rothschild); 3 ♂♂, 18 ♀♀ Tring, Herts, May 1899 (A. Goodson); 1 ♀ Great Britain (whole three margins broadly scarlet); 1 ♀ Great Britain (very small, all red replaced by pinkish yellow); 9 ♂♂, 4 ♀♀ Folkestone, Kent (White) (all more or less blotched or off-coloured individuals); 2 ♂♂, 4 ♀♀ May 11, 1899, Sark, Channel Islands (E. Hartert); 1 ♂ Herm, Channel Islands, May 7, 1899 1, ♂, 1 ♀ Jersey, Channel Islands (E. Hartert); 1 ♀ Ringwood, Hants (C. J. Fowler) (left side pale, very large); 4 ♂♂ Wörishofen, Bavaria, July 23—29, 1905 (O. Nenmann); 3 ♂♂,

1 ♀ Schwalbach (W. Rothschild); 1 ♂ Wiesbaden; 1 ♂ Crimmitzschau, June 8, 1898 (Th. Wagner); 5 ♀♀ Liebenau, Bohemia, July 3, 1906 (Em. Grادل); 4 ♂♂, 3 ♀♀? (Austria?) (Felder coll.); 2 ♂♂ Digne, Basses Alpes, June 17—24, 1908 (W. Rothschild & K. Jordan); 1 ♂ Grenoble, July 5, 1908 (W. Rothschild); 1 ♂, 1 ♀ South of France (Groum-Grשמילו coll.); 1 ♂ Luchon, July 9, and 2 ♀♀ Cantarets, July 22—28, 1905 (W. Rothschild & E. Hartert); 1 ♂ Vallée du Lys, 1100 m., June 7, 1904 (E. Hartert); 1 ♂, 1 ♀ Bern, Jura; 1 ♀ Ficuzza, near Busambra, Sicily, June 13, 1907 (O. Neumann); 1 ♂ Pescocostanza, Italy, July 23, 1906 (O. Neumann); 7 ♂♂, 3 ♀♀ San Ildefonso, Segovia, Spain, June—August 1906 (M. de la Escalera); 1 ♂ Marmarosszuget, Transylvania, July 1901 (Farkas Sandor); 1 ♂, 1 ♀ Sarepta and 2 larvae? (Groum-Grשמילו coll.).

732. *Euchlaenidia trancisa* (Walk.).

1 ♂ Rio de Janeiro.

733. *E. bimaculata* Drace.

This is quite distinct.

1 ♂ Sapucay; 1 ♂.

734. *E. neglecta* spec. nov.

♂. Pectus, legs, head, antennae, thorax, and abdomen fuscous brown.—Forewing greyish brown, veins paler; an oblique cream-coloured band crosses the wing from costa across end of cell to tornus.—Hindwing orange, an ovate black patch at tornus.

Length of forewing: 13 mm.

Hab. Sta. Catharina.

1 ♂.

735. *E. ockendeni* spec. nov.

♀. Pectus and legs dark fuscous; palpi yellow, last joint black; frons yellow with large central black patch; antennae black; collar yellow; thorax black-brown; abdomen above orange-buff with broad central dorsal black band.—Forewing black-brown with the veins buff; a broad oblique outwardly curved buffy orange band reaches from the costa across end of cell to just before tornus.—Hindwing orange, a border of black from before termen to tornus; this border is very broad from termen to vein 4, then very narrow to vein 2, and again broad from vein 2 to tornus.

Length of forewing: 22 mm.

Hab. La Union, Carabaya.

1 ♀.

736. *Holomelina cocciniceps* (Schaus).

1 ♀ Larima Co., Col., August 1891, 7000 ft.

737. *H. semirosea* (Druce).

2 ♂♂ Mexico City.

738. *H. mathani* spec. nov.

♀. Legs, pectus, head, antennae and thorax dark wood-brown; abdomen reddish orange, a narrow central dorsal black line.—Forewing deep wood-brown.—Hindwing dark brick-red, a black border from before termen to tornus, somewhat narrower between veins 2 and 4.

Length of forewing: 19 mm.

Hab. La Palma and Guadalupe, Cundinamarca, Colombia, August 1903 (M. de Mathan).

2 ♀♀.

739. *H. laeta* (Grote).

12 ♂♂ Huachuca Mts., Arizona, August 1903 (Oslar); 5 ♂♂ Nogales, Arizona, August 1903 (Oslar); 2 ♂♂ Palmerie, Arizona (Biedermann); 1 ♂ Huachuca Mts., August 16, 1901 (Brenning).

740. *H. aurantiaca* (Hübner).

1 ♂, 1 ♀ Vera Cruz, Mexico; 1 ♂, 1 ♀ Iowa (Meyer coll.); 1 ♀ Prescott, Arizona, July 7, 1902 (Oslar); 1 ♂, 2 ♀♀ Monacknock, New Hampshire (F. Birch); 1 ♂ United States (Land coll.); 7 ♂♂, 4 ♀♀ Texas; 2 ♂♂, 2 ♀♀ N. America; 5 ♂♂, 1 ♀ Iowa; 1 ♂, 4 ♀♀ Canada; 1 ♂, 3 ♀♀ ?; 2 ♂♂ Alleghany Pass; 1 ♂ Bexar Co., Texas (Attwater); 3 ♂♂, 5 ♀♀ Grand Junction, Col., July, 1901 (E. J. Oslar); 1 ♂, 1 ♀ Babylon, Long Island, July 3, 1902 (N. Charles Rothschild and F. Gaynor); 5 ♂♂, 1 ♀ Orizaba; 1 ♀ Montreal to Quebec (Grapes); 6 ♂♂, 4 ♀♀ Bear Creek, Morrison, Col. (Oslar); 2 ♂♂, 1 ♀ Sanford, Florida, May and June 1895.

741. *H. ferruginosa* (Walk.).

This insect is quite distinct from *aurantiaca*, and is always larger.

18 ♂♂, 2 ♀♀ Durango, Col. (Oslar); 10 ♂♂ Glenwood Springs, Col. (Oslar); 11 ♂♂, 4 ♀♀ Larima Co., Col., 5000-7000 ft.; 4 ♂♂, 4 ♀♀ Grand Junction, Col., July 1901 (Oslar); 3 ♂♂ Sapelle Cañon, New Mexico, July 1902 (E. J. Oslar); 5 ♂♂ Texas; 2 ♂♂ Colorado; 9 ♂♂, 1 ♀ Chimney Gulch, Col., April to June 1901 (Oslar); 1 ♂ Colorado (Mason); 1 ♂ Alleghany Pass; 1 ♂ Colorado Springs, Col. (Oslar); 1 ♀ Canada ?; 1 ♂, 1 ♀ ? (Meyer coll.); 3 ♂♂ Monacknock, New Hampshire (F. Birch).

742. *H. opella* (Grote).

1 ♀ ? (Meyer coll.).

743. *H. lata* Grote.

2 ♀♀ Holguin, Cuba (Tollin and H. S. Parish).

744. *Virbia dotata* (Walk.).

2 ♂♂ Pebas, Amazonas, December 1906 (M. de Mathan); 1 ♀ ? (Felder coll.).

745. *V. brevilinea* (Walk.).

1 ♂ Sta. Catharina; 1 ♀ Rio de Janeiro; 1 ♂ ? (Felder coll.).

746. *V. rosenbergi* spec. nov.

♀. Pectus, legs, palpi, antennae, head, and thorax black-brown; abdomen above orange with dorsal black band.—Forewing brown.—Hindwing orange, a narrow black border from base of costa round wing to vein 3, whence to tornus it expands into a large patch; inner margin to tornus orange.

Length of forewing: 22 mm.

Hab. 4 ♀♀ Rio Dagua, Colombia (Rosenberg); 1 ♀ Paramba; 1 ♀ S. Javier; 1 ♀ Balim.

747. *V. lehmanni* spec. nov.

♂ Pectus, legs, palpi, head, antennae, and thorax black; abdomen above orange with very broad black dorsal band.—Forewing brownish black.—Hindwing orange with almost even black border. Underside of forewing uniform black-brown.

Length of forewing: 17 mm.

Hab. 3 ♂♂, 1 ♀ Popayan (Lehmann); 1 ♂, 1 ♀ Rio Dagua.

748. *V. varians* Schaus.

1 ♀ Cuzco, Peru, Jan. 1901 (Garlepp).

749. *Virbia* species.

1 ♀ Sta. Catharina, minus an abdomen, very distinct; but I do not want to describe a single ♀ in such condition.

750. *V. zonata* (Feld.).

3 ♀♀? (Felder coll.); 3 ♂♂ Jalapa; 5 ♂♂, 1 ♀ Huatuxco, Vera Cruz; 3 ♂♂, 2 ♀♀ Vera Cruz, Mexico; 1 ♂, 1 ♀ Orizaba.

751. *V. divisa* (Walk.).

1 ♂ Jinotega, Nicaragua, 4100 ft., Jan. 1906 (M. G. Palmer); 9 ♂♂ São Paulo; 1 ♂ Sapucay; 1 ♂, 1 ♀ Sta. Catharina; 1 ♂ Bahia (Felder coll.); 4 ♂♂ Tijnco, Brazil, December; 1 ♂ St. George's, British Guiana, Oct. 1891 (C. W. Ellacombe).

752. *V. minuta* (Feld.).

8 ♂♂ La Oroya; 8 ♂♂ Tinguri; 1 ♂ Rio Huacamayo; 1 ♂ Sapucay.

753. *V. mentiens* Walk.

10 ♂♂ Caparo; 1 ♂ Maraval; 1 ♂ Paramaribo, August 1892 (W. Ellacombe); 2 ♀♀ Carupano, December 1891 (W. Ellacombe).

754. *V. parva* Schaus.

4 ♂♂, 3 ♀♀ Quevedo, W. Ecuador (v. Buchwald); 1 ♂ Paramba; 1 ♂, 1 ♀ Chimbo; 1 ♂ Colombia. All the three above species are not synonymous with *medarda* Stoll, but quite distinct.

755. *V. flemmingi* spec. nov.

♂. Similar to *mentiens*, but the wings longer and narrower, and the yellow abdominal area of hindwings does not reach tornus, and the black border is evenly broad from termen to tornus.

♀. Larger, and the black border to hindwings becomes much wider towards tornus.

Hab. 8 ♂♂ Salidero, N.W. Ecuador; 2 ♂♂, 1 ♀ Bulim, Ecuador; 1 ♂ Carondelet; and 1 ♂ Rio Cayapas, N.W. Ecuador, January—April 1901 (Flemming and Miquetta).

756. *V. affinis* spec. nov.

♂. Similar to *parva*, but wings much shorter and broader, and the yellow area of hindwing occupies the whole of the wing except black marginal band, and does not, as in *parva*, consist of a broad discal band only.

♀. Much larger than ♀ *parva*, and shows same differences.

Hab. Paramba, W. Ecuador, 8 ♂♂, 1 ♀; ? 1 ♂ Onaca, Sta. Marta.

757. *V. subapicalis* (Walk.).

1 ♂, 2 ♀♀ Amazons (Bates) (Felder coll.); 1 ♀ Chanchamayo, Jan.—Aug. 1901 (W. Hoffmanns); 1 ♀ Rio Cachiaco (Stuart); 1 ♂, 1 ♀ Fonte Boa; 1 ♂, 1 ♀ Potaro; 1 ♂ St. Laurent de Maroni; 1 ♂, 1 ♀ Itaituba; 1 ♂ Tumatumari; 2 ♂♂ Codajas; 1 ♂ Mouth of Kouron River, Oct. 1905 (E. Le Moulte); 1 ♂ Sta. Catharina; 1 ♀ ?; 3 ♂♂ Rio Huacamayo; 2 ♂♂ La Vuelta; 1 ♂ Tinguri; 1 ♂ La Union, Carabaya; 10 ♂♂ Buenavista.

758. *V. hypophaea* Hamps.

2 ♂♂ Tuis, Costa Rica; 1 ♂ Bulim; 1 ♀ Cachabi (Rosenberg); 1 ♀ Rio Dagna; 1 ♀ Paramba; 1 ♀ Salidero, N.W. Ecuador, March 1901 (Flemming & Miquetta.)

759. *V. xanthopleura* Hamps.

1 ♀ Grenada, W. Indies.

760. *V. ovata* spec. nov.

♀. Differs from ♀ of *subapicalis* in being much larger and the yellow patch on hindwing is much farther away from termen and forms a long, narrow ovate spot.

Hab. Sta. Catharina.

761. *V. strigata* spec. nov.

♂ ♀. All black, an orange streak some 3 mm. wide from base across disc to within almost 2 mm. of margin.

Hab. 1 ♂ Borchland, Surinam, May 1892 (W. Ellacombe); 1 ♀ Tijuco, Brazil; December (W. Schaus).

762. *V. fasciata* spec. nov.

♂. Thorax and head brown; abdomen above black.—Forewing pale chocolate brown, a paler yellowish band from base to beyond apex of cell.—Hindwing yellow, with a very broad black marginal band.

♀. Larger, forewing dark brown, no discal fascia.—Hindwing: the black marginal band so wide as to occupy almost half the area of wing.

Hab. 2 ♂♂ Paramba, W. Ecuador; 1 ♀ Bulim, W. Ecuador.

763. *Antriotricha integra* (Walk.).

1 ♂ Bogotá; 3 ♀♀ Bogotá (Felder coll.).

764. *A. marcessens* (Feld.).

1 ♂, 1 ♀? (Felder coll., ♀ Type); 1 ♀ Zamora, Ecuador, 3000-4000 ft., (O. T. Baron).

765. *Hyalocoa diaphana* (Eversm.).

1 ♂ Saján, Siberia.

766. *Epimedia oberthueri* spec. nov.

♂. Legs and pectus testaceous; antennae black; head cream-white; thorax cream-white; two black dots on tegulae and four on patagia; abdomen pale testaceous brown.—Forewing pale brownish cream-colour, two black dots at the base, a black dot at lower corner of apex of cell.—Hindwing paler, more whitish.

Length of forewing: 15 mm.

Hab. N. Bailunda, Angola, October 10, 1901 (Pemberton).

1 ♂.

767. *Ep. dialampa* Staud.

2 ♂♂ Urga (Leder), 1 ♂ Transbaicalia, (all three ex coll. Groum-Grschmailo).

768. *Ep. libyssa* Püngl.

1 ♂ Sebdon, Province Oran, Oct. 1907 (H. Powell) (ex coll. Oberthür, cotype *Emydia powelli*).

769. *Euprepia striata* (Linn.).

1 ♂?, hindwings black, three yellow patches; 1 ♂ Rodna, Transylvania (Farkas Sandor); 1 ♂ Mainz; 1 ♂ Mont St. Michel de Cousson, Digne, 1000-1500 m., July 1, 1908 (K. Jordan); 15 ♂♂ Sila Mts., Calabria, near Botte Donata, July 6-12, 1907, 1000-1800 m. (O. Neumann), 10 have various degrees of darkened hindwings; 10 ♂♂ Digne, Basses Alpes, June 1908 (W. Rothschild and K. Jordan), 2 have dark hindwings; 1 ♂ Germany (Buchecker coll.); 2 ♂♂ Wiesbaden, whitish ground much black; 1 ♂, 1 ♀ Mainz (Groum-Grschmailo coll.); 7 ♂♂, 5 ♀♀ Digne to Mt. St. Michel de Cousson, up to 1200 m., July 2, 1908 (K. Jordan), 5 ♂♂, 3 ♀♀ with much black on hindwings; 1 ♂?; 1 ♂ Dourbes, near Digne, June 25, 1908 (K. Jordan); 1 ♀?, 6 ♂♂ (Felder coll.); 5 ♂♂? with black hindwings, 2 marked Strara 16. 7. 18; 1 ♂ Sila Mts., near Botte Donata, Calabria (O. Neumann); 2 ♂♂ Digne to Mt. St. Michel de Cousson (K. Jordan), and 2 ♂♂, 1 ♀ Digne, Basses

Alpes (W. Rothschild and K. Jordan) with black hindwings; 1 ♀ Switzerland; 4 ♂♂ Austria (3 Felder and 1 Groum-Grscmailo coll.); 76 ♂♂, 2 ♀♀ San Ildefonso, Segovia, Spain, June-August 1906 (M. de la Escalera), the series shows much variation; 6 ♂♂ Amdo, and 1 ♂ Chinghan (Putiato Exp.) (Gronm-Grscmailo coll.), 3 ♂♂ entirely black.

770. *Eu. cribraria cribraria* (Linn.).

This species occurs in four well-marked subspecies.

7 ♂♂, 6 ♀♀? (Felder coll.), 1 Engadine; 3 ♂♂ Isella, 1 ♂, 2 ♀♀ N. Italy, 1 ♀ Caspian, and 1 ♂, 1 ♀ Berlin, 1 ♂, 1 ♀? (Groum-Grscmailo coll.); 1 ♂ Grabowa; 1 ♀ La Grave, Hantes Alpes, 1500—1800 m., July 23, 1908 (W. Rothschild and K. Jordan); 2 ♀♀ Herkulesbad, August 1907 (J. Aszner); 1 ♂ Süsz, August 1, 1901 (W. Rothschild); 24 ♂♂, 8 ♀♀ Tarasp, July 1901 (W. Rothschild), and July 1902 (W. Rothschild and E. Hartert); 21 ♂♂, 3 ♀♀ Silvaplana, July 1901 (Osirnig); 2 ♂♂, 2 ♀♀? (Sand coll.); 1 ♂ Saas Fee, Saas Valley, August 7 to 18, 1908 (Oscar Neumann); 1 ♂ Majori, Gulf of Salerno, May 5 to 10, 1905 (Oscar Neumann); 1 ♀?; 1 ♂, 1 ♀ Granada, Andalusia (C. Ribbe); 1 ♂, 1 ♀ Sierra Nevada, Andalusia (C. Ribbe); 1 ♂ Italia and 1 ♂ Hungaria (Buchecker coll.); 1 ♂ Majella Mts., Italy, July 19 to 20, 1906 (O. Neumann); 2 ♂♂ Pescocostanza, Italy, July 23, 1906 (O. Neumann); 2 ♂♂ Zermatt, August 21 to 29, 1908 (O. Neumann); 7 ♂♂, 1 ♀ Great Britain.

770A. *Eu. cribraria ripperti* Boisd.

1 ♂ Hautes Pyrénées (Groum-Grscmailo coll.). This subspecies is almost entirely black.

770B. *Eu. cribraria bifasciata* Ramb.

1 ♂, 1 ♀ Corsica; 1 ♂ Corsica (Buchecker coll.); 2 ♂♂ Bastelica, Corsica (H. Powell).

770C. *Eu. cribraria chrysocephala* Hübn

2 ♂♂, 1 ♀♀ (Felder coll.); 1 ♂, 3 ♀♀ Environs d'Alger, May 1908 (W. Rothschild and K. Jordan); 6 ♂♂ Environs d'Alger, May 1906-7 (Dr. Nissen); 2 ♂♂ Orange Grove, Oum-er-Bia, near Mazagan, Morocco, April 10, 1901 (E. Hartert); 1 ♂? (Sand coll.); 1 ♂ South Russia?; 1 ♂, 1 ♀ Andalusia (Groum-Grscmailo coll.).

771. *Heliactinidia chiguinda* (Druce).

2 ♂♂, 2 ♀♀ Popayan (Lehmann); 1 ♂ Loja (Dognin); 1 ♂ Peru (Felder coll.).

772. *H. flavivena* Dogn.

1 ♂ Paramba, Ecuador, January—May 1897 (W. F. Rosenberg); 2 ♂♂ Santa Rita, Cauca River (Paine & Brinkley).

773. *H. nigrilinea* (Walk.).

1 ♂ Popayan, Colombia (Lehmann); 1 ♀ San Jacintho Valley, Theophilo Ottoni, Minas Geraes, 1907-8 (F. Birch).

774. *Belemnia cryx* (Fabr.).

4 ♂♂, 2 ♀♀ (Felder coll., 2 ♂♂ marked Amazons, 1 ♀ Bogotá); 8 ♂♂ Teffé, Amazons, November 1907 (M. de Mathan); 39 ♂♂, 32 ♀♀ La Union, Caura; 4 ♂♂ La Union, Carabaya; 1 ♂, 1 ♀ Fonte Boa; 8 ♂♂, 1 ♀ Humayta; 7 ♀♀ Guyapa, Caura; 21 ♂♂, 10 ♀♀ Allianca; 1 ♀ Santa Cruz de la Sierra, E. Bolivia; 2 ♂♂, 2 ♀♀ Province Sara; 3 ♀♀, 1 ♀ Bueavista.

775. *B. inaurata inaurata* (Sulz.).

1 ♂, 9 ♀♀ San Ramon, Rio Wanks, Nicaragua, 375 ft., June 1905 (M. G. Palmer); 3 ♀♀?; 1 ♂, 2 ♀♀ San Pedro Sula, Honduras (fide Fruhstorfer); 2 ♂♂, 2 ♀♀ Central America (Felder coll.).

775A. *B. inaurata rezia* Druce.

1 ♂, 1 ♀ Bogotá; 1 ♀ Cundinamarca, Colombia; 2 ♂♂ Rio Dagna, Colombia (W. Rosenberg); 1 ♀ Amazons (Bates) (Felder coll.).

776. *B. ochriplaga* Hamps.

8 ♂♂, 17 ♀♀ La Union, Caura; 2 ♂♂, 3 ♀♀ (Felder coll., 1 ♂, 1 ♀ marked Amazon River); 1 ♀ Tinguri; 7 ♂♂, 26 ♀♀ Teffé, Amazons, November 1907 (M. de Mathan); Juhnty, Amazons, April 1905 (M. de Mathan); 1 ♂, 5 ♀♀, Humayta; 1 ♂, 6 ♀♀ Allianca; 1 ♂, 2 ♀♀ La Union, Carabaya; 1 ♀ Fonte Boa; 2 ♀♀ Guyapa, Caura; 2 ♀♀ Maripa.

777. *B. mygdon marthae* Rothsch.

1 ♂, 10 ♀♀ Ouaca, Sta. Marta.

778. *B. aplaga* Hamps.

7 ♂♂, 13 ♀♀ Paramba, 3500 ft., June 1897, dry season (Rosenberg).

779. *Diospage splendens* (Druce).

2 ♂♂, 1 ♀ Province Sara; 1 ♂ Pozuzu.

780. *D. chrysobasis* Hamps.

1 ♂ Bogotá.

781. *D. semimarginata* Rothsch.

2 ♂♂ Paramba (Rosenberg).

782. *D. steinbachi* Rothsch.

4 ♂♂, 1 ♀ Province Sara.

783. *D. cleasa* (Druce).

3 ♂♂ Bogotá.

784. *D. violitincta* Rothsch.

1 ♂ Corinto, Cauca, May—July 1906 (Paine and Brinkley).

785. *D. engelkei* Rothsch.

1 ♂ Onaca, Sta. Marta.

786. *D. rhebus* (Uram).

1 ♂ Amazons (Bates) (Felder coll.); 3 ♀♀ La Vuelta; 1 ♀ Tefé (Mathan); 1 ♀ Foute Boa; 2 ♂♂, 3 ♀♀ Allianca; 1 ♂, 1 ♀ La Union, Carabaya; 2 ♂♂, 8 ♀♀ Maripa.

787. *Hypocrisias punctata* (Druce).

1 ♂ Huatuxco, Vera Cruz.

788. *H. minima* Neum.

2 ♂♂, 2 ♀♀ Jalapa; 2 ♂♂, 1 ♀ Nogales, Arizona, July 1903 (Oslar); 1 ♂, 5 ♀♀ Cuernavaca; 1 ♂ Mexico (? new species, dark brown).

789. *H. jonesi* (Schaus).

3 ♂♂, 2 ♀♀ Castro, Parana.

790. *H. fuscipennis* (Burm.).

2 ♂♂ Brazil; 1 ♂, 1 ♀ Rio de Janeiro.

791. *Nisaea longipennis* (Walk.).

1 ♂ Nanchuen, S. Szechuen, July—September; 1 ♀ Central China; 1 ♂, 2 ♀♀ Moupin, August 1890 (Kricheldorf); 1 ♀ Japan; 4 ♂♂, 2 ♀♀ Chang-Yang (Pratt); 1 ♀ W. China; 1 ♂ Omeishan (native coll.); 4 ♀♀ Khasia Hills, May 1895 (native coll.); 1 ♀ Assam; 1 ♂, 1 ♀ ?; 1 ♀ Wa-ssu-kow, 5000 ft., July 1890 (native coll.); 1 ♀ Ichang Gorge, September 1887 (Pratt); 3 ♂♂, 1 ♀ ? (Felder coll.).

792. *Preparctia mirifica* (Oberth.).

1 ♂ Ta-tsien-lu, 1904 (Chasseurs du Père Dejean); 1 ♀ Ta-Ho, Thibet, 1895 (native coll.). (Both ex coll. Oberthur.)

793. *Leptarctia californiae* (Walk.).

17 ♂♂, 2 ♀♀ Chimney Gulch, Golden Col., April 1901 (Oslar); 2 ♂♂, 3 ♀♀ Colorado Springs, Col., May 1901 (Oslar, 2 ♀♀ normal, 1 ♀ black hindwing, orange patch near tornus, 2 ♂♂ black hindwings; 3 ♂♂ Colorado (Mason).

794. *Hyphoraia lapponica* (Thunb.).

1 ♀ ? without abdomen (Felder coll.).

795. *H. testudinaria* (Fourcr.).

2 ♂♂? (Felder coll.); 2 ♂♂, 1 ♀ Meran (1 ♂ almost black hindwings); 2 ♂♂, 4 ♀♀?; 3 ♂♂, 5 ♀♀ Tyrol (Groum-Grשמילו coll.); 1 ♂, 1 ♀ Piemont (Bartel coll.).

795A. *H. testudinaria* × *H. aulica*.

3 ♂♂, 2 ♀♀ emerged December 1906, result of pairing a ♂ *H. aulica* from Silesia with a ♀ *H. testudinaria* from South Tyrol.

796. *H. aulica* (Linn.).

10 ♂♂, 8 ♀♀ Austria (Felder coll.); 1 ♂ Siberia (Felder coll.); 5 ♂♂, 3 ♀♀?; 3 ♂♂, 5 ♀♀ Crimmitschau, May 1896 (Th. Wagner); 1 ♂ Liebenau, Bohemia, June 10, 1907; 1 ♂ Marmarosszuget, Transylvania, July 1901 (Farkas Sandor); 2 ♂♂, 3 ♀♀ Bavaria; 1 ♂, 1 ♀ Zara (Groum-Grשמילו coll.); 1 ♀ Tyrol, and 1 ♀ Silesia (very dark hindwings); 1 ♂, 1 ♀ Bohemia (uniform brown forewings and black hindwings).

797. *H. dejeani* (Godt.).

1 ♂ San Ildefonso, Segovia, Spain, June—August 1906 (M. de la Escalera); 1 ♂, 2 ♀♀ Castile, Spain (Groum-Grשמילו coll.); 1 ♂, 1 ♀?.

798. *H. parthenos* (Harr.).

1 ♀ Labrador (Felder coll.); 1 ♂ Texas; 1 ♀ Massachusetts (Meyer coll.).

799. *Ocnogyna latreilli* (Godt.).

2 ♂♂, 2 ♀♀?; 2 ♂♂ Castile; 1 ♀ Alpes Maritimes (Groum-Grשמילו coll.); 1 ♂ Cintra, Portugal, May 12, 1909 (N. Charles Rothschild) (hindwings yellow).

800. *O. pretiosa albovittata* subsp. nov.

♂. Differs from *O. pr. pretiosa* in having the pale markings of the forewings pure white, **not** pale clay-colour.

Hab. Kuku Nor, Thibet.

1 ♂.

801. *O. banghaasi* Staud.

4 ♂♂ Akbés, Asia Minor, May 17, 1902; 3 ♂♂ Mersina, Asia Minor, 1895 (Holz); 4 ♂♂ Akbés, Syria, 1895 (Groum-Grשמילו coll.).

802. *O. pardalina* (Püngl.).

4 ♂♂ Ili District, July.

803. *O. corsicum corsicum* (Ramb.).

3 ♂♂, 1 ♀?; 3 ♂♂ Corsica (Felder coll.); 2 ♂♂, 1 ♀ Corsica (Groum-Grשמילו coll.).

803A. *O. corsicum sardoa* Staud.

2 ♂♂, 3 ♀♀ Sardinia (2 ♂♂, 2 ♀♀ Groum-Grschmailo coll.; 1 ♀ Felder coll.).

804. *O. pierreti* (Ramb.).

All the insects named *pierreti* Ramb., *mauretunica* Lucas, *atlanticum* Lucas, *gandolphei* Oberth., and *huegenini* Oberth., are aberrations of the same insect, which must stand as *pierreti* (Ramb.). We have found the larvae in numbers near Mustapha Supérieur, Algiers town, but failed to rear them.

3 ♂♂, 1 ♀ Mauretania (Groum-Grschmailo coll.); 4 ♂♂?; 3 ♂♂, 1 ♀ Algiers.

805. *O. boetica* (Ramb.).

4 ♂♂?; 1 ♂, 1 ♀ Andalusia; 1 ♂, 1 ♀ Mauretania (Groum-Grschmailo coll.); 1 ♂, 1 ♀, Sebden, Oran, 1880-82, Dr. Codet (Groum-Grschmailo coll.) (ex coll. Oberthür).

806. *O. loewii* (Zell.).

2 ♂♂ Syria; 2 ♂♂ Haifa, Syria (F. Lange); 2 ♂♂, 1 ♂ Palestine (Groum-Grschmailo coll.); 4 ♂♂ Gauden Askhabad, Kopet Dagh; 6 ♂♂ Akbés, Asia Minor; 2 ♂♂ Armenia (Groum-Grschmailo coll.); 1 ♂ Kulp, Russian Armenia, 1901 (Max Korb); 2 ♂♂?; 1 ♂ Palestine.

807. *O. pudens* (Lucas).

1 ♂ Mauretania (Groum-Grschmailo coll.); 3 ♂♂?; 1 ♂ Algiers; 5 ♂♂ Les Glacières de Blida, June 1908 (W. Rothschild and K. Jordan); 1 ♂ Hammam R'irha, May 31, 1908 (W. Rothschild and K. Jordan); 4 ♂♂ Les Glacières de Blida (Dr. Nissen).

808. *O. parasita* Hübn.

1 ♂, 1 ♀? (Felder coll.); 2 ♂♂, 1 ♀?; 1 ♂, 1 ♂ Hungary (Groum-Grschmailo coll.).

809. *O. nogelli* (Led.).

1 ♂?

810. *Phragmatobia zoraida zoraida* (Grasl.).

3 ♂♂, 5 ♀♀? 1 ♂, 1 ♀ Andalusia (Groum-Grschmailo coll.); 1 ♂ Cuenca, Castile; 1 ♂ Albarraciu.

810A. *Ph. zoraida hemigena* (Grasl.).

2 ♂♂, 2 ♀♀ (Groum-Grschmailo coll., 1 ♂ marked "Pyr. orient."); 2 ♂♂, 1 ♀?; 2 ♂♂, 1 ♀?; 1 ♂, 1 ♀? (Felder coll.).

810B. *Ph. z. zoraida* × *Ph. z. hemigena*.

This artificially produced hybrid(!) has been called *zoragena*.

2 ♂♂, 2 ♀♀ (Groum-Grschmailo coll.); 1 ♂, 1 ♀?; 1 ♂, 1 ♀ Spain?; 1 ♂, 1 ♀ eggs laid Leipzig 1883 (fide Heyne), emerged Berlin, February 15, 1884.

811. *Ph. maculosa maculosa* (Gern.).

3 ♂♂, 5 ♀♀? (Felder coll.); 1 ♀ Helvetia, 2 ♂♂ Maiuz, 1 ♂? (Groum-Grschmailo coll.); 3 ♂♂, 4 ♀♀? (1 ♂, 1 ♀ Meyer coll.); 1 ♂ Luchon, July 16, 1906; 2 ♂♂ Caunterets, July 29 and August 2, 1905 (W. Rothschild and E. Hartert); 1 ♂ Gèdre, Hautes Pyrénées, July 1908 (Rondon); 6 ♂♂ La Grave, 1500—1800 m., and 37 ♂♂ Le Lantaret, 2000—2300 m., Hautes Alpes, July 1908 (W. Rothschild and K. Jordan); 9 ♂♂ Digne, Basses Alpes, June 1908 (2 Cotte, 7 W. Rothschild and K. Jordan); 1 ♂ Beauvezer, Basses Alpes (H. Powell); 19 ♂♂ Pescocostanza, Italy, July 1906 (O. Neumann).

811A. *Ph. maculosa simplonica* (Boisd.).

2 ♂♂, 1 ♀ Silvaplana (Osirnig); 1 ♂ Helvetia, 2 ♂♂, 2 ♀♀ Albula Pass, Engadine (Groum-Grschmailo coll.); 2 ♂♂, 2 ♀♀?; 2 ♂♂? (Felder coll.); 2 ♀♀ Engadine (W. Rothschild); 2 ♀♀ Schafberg, Pontresina, Engadine, July 21, 1904 (M. Bartel); 1 ♂, 1 ♀? (Meyer coll.).

811B. *Ph. maculosa mannerheimi* (Dup.).

1 ♂ Ural (Felder coll.); 3 ♂♂ Guberli?, 1 ♂ Saratow, 1 ♀ Orenburg (Groum-Grschmailo coll.); 1 ♂ Orenburg (M. Bartel); 1 ♂, 1 ♀ S. Ural; 32 ♂♂ Uralsk, June, July 1906 (M. Bartel coll.).

811c. *Ph. maculosa coecilia* (Led.).

1 ♂, 1 ♀?

811D. *Ph. maculosa reticulata* (Christ.).

2 ♂♂ Achal-Tekke: 1 ♂ Askhabad, 1 ♂, 1 ♀ Aidara (Eyland) (Groum-Grschmailo coll.).

811E. *Ph. maculosa dahurica* (Boisd.).

3 ♂♂ Issyk-Kul (Taneré) (Groum-Grschmailo coll.).

812. *Ph. rupicola* (Gr.-Grschm.).

1 ♀ Issyk-Kul, 1896 (Taneré).

(To be continued.)
